

Oil pipe line transport

1978

Transport du pétrole par pipe-lines

1978

STATISTICS CANADA — STATISTIQUE CANADA

Manufacturing and Primary Industries Division — Division des industries manufacturières et primaires

OIL PIPE LINE TRANSPORT

TRANSPORT DU PÉTROLE PAR PIPE-LINES

1978

Published under the authority of
the President of the Treasury Board

Publication autorisée par
le président du Conseil du Trésor

December - 1979 - Décembre
5-3301-512

Price—Prix: \$6.00

Statistics Canada should be credited when reproducing or quoting any part of this document
Reproduction ou citation autorisées sous réserve d'indication de la source: Statistique Canada

Ottawa

SYMBOLS

The following standard symbols are used in Statistics Canada publications:

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.
- amount too small to be expressed.
- P preliminary figures.
- ^r revised figures.
- x confidential to meet secrecy requirements of the Statistics Act.

SIGNES CONVENTIONNELS

Les signes conventionnels suivants sont employés uniformément dans les publications de Statistique Canada:

- .. nombres indisponibles.
- ... n'ayant pas lieu de figurer.
- néant ou zéro.
- nombres infimes.
- P nombres provisoires.
- ^r nombres rectifiés.
- x confidentiel en vertu des dispositions de la Loi sur la statistique relatives au secret.

ABBREVIATIONS

- n.e.s.: Not elsewhere specified.
S.I.C.: Standard Industrial Classification.

ABRÉVIATIONS

- n.c.a.: Non classé(e)s ailleurs.
C.A.É.: Classification des activités économiques (titre français du système de classification industrielle de 1970).

NOTE

Inquiries about this publication should be addressed to the Energy and Minerals Section of the Manufacturing and Primary Industries Division in Ottawa (992-4021); or to a local office of bureau's User Advisory Services Division:

NOTA

Toutes demandes de renseignements sur la présente publication doivent être adressées à la Section de l'énergie et des minéraux de la Division des industries manufacturières et primaires, à Ottawa (992-4021); ou à un bureau local de la Division de l'assistance-utilisateurs situé aux endroits suivants:

St. John's (Nfld.) - (T.-N.) (726-0713)
Halifax (426-5331)
Montréal (283-5725)
Ottawa (992-4734)


Toronto (966-6586)
Winnipeg (985-4020)
Regina (569-5405)
Edmonton (425-5052)
Vancouver (666-3695)

TABLE OF CONTENTS

	Page
Introduction	5
Map	
Distribution of Domestic and Imported Crude Oil, 1978	8
Table	
1. Receipts and Disposition of Crude Oil and Equivalent, by Source, Canada, 1978	10
2. Summary of Pipe Line Movements of Crude Oil, Condensate and Pentanes Plus, by Province, 1978	12
3. Pipe Line Movements of Liquefied Petroleum Gases and Petroleum Products, by Province, 1978	16
4. Summary of Pipe Line Movements, by Commodity Groups, by Month, Canada, 1978	20
5. Oil Pipe Line Mileage by Company, Province and Size of Pipe in Ser- vice, as at December 31, 1978 - Gathering Lines	24
5A. Oil Pipe Line Mileage and Rated Capacity, by Company, Province and Size of Pipe in Service, as at December 31, 1978 - Trunk Lines	28
6. Pumping Stations, Trunk Lines, by Company and Rated Horsepower, as at December 31, 1978	36
7. Number of Pumping Stations, Prime Movers and Pumps, Trunk Lines, by Province, as at December 31, 1978	38
8. Comparative Statement of Assets, Liabilities and Net Worth of Oil Pipe Line Transport Industry, as at December 31, 1978 and 1977 ...	39
9. Income Account of Oil Pipe Line Transport Industry, as at December 31, 1978 and 1977	41
10. Property Account of Oil Pipe Line Transport Industry, as at December 31, 1978	42
11. Funds Flow Statement of Oil Pipe Line Transport Industry, for Years Ending December 31, 1978 and 1977	42
12. Payroll, Employment and Man-hours in Oil Pipe Line Transport Indus- try, Canada, 1978	43
Glossary of Terms	45

TABLE DES MATIÈRES

	Page
Introduction	5
Carte	
Distribution du pétrole brut canadien et d'importation, 1978	8
Tableau	
1. Arrivages et utilisation de pétrole brut et hydrocarbures équivalents, par source, ensemble du Canada, 1978	10
2. Sommaire du transport, par pipe-lines, du pétrole brut, condensat et pentanes plus, par province, 1978	12
3. Transport par pipe-lines de gaz de pé- trole liquéfiés et de produits pétro- liers, par province, 1978	16
4. Sommaire du transport, par pipe-lines, des produits de pétrole répartis en groupes, par mois, au Canada, 1978 ...	20
5. Longueur en milles de conduites de pé- trole, par société, par province et par diamètre de conduite en service, au 31 décembre 1978 - Conduites secon- daires	24
5A. Longueur en milles et capacité nominale des conduites de pétrole, par société, par province et par diamètre de con- duite en service, au 31 décembre 1978 - Conduites principales	28
6. Postes de pompage, conduites principa- les, par société et par puissance nomi- nale en chevaux-vapeur, au 31 décem- bre 1978	36
7. Nombre de postes de pompage, de moteurs primaires et de pompes, conduites principales, par province, au 31 dé- cembre 1978	38
8. État comparatif de l'actif, du passif et de la valeur nette de l'industrie du transport de pétrole par pipe-lines, au 31 décembre 1978 et 1977	39
9. Compte de revenus de l'industrie du transport de pétrole par pipe-lines, au 31 décembre 1978 et 1977	41
10. Compte de propriété de l'industrie du transport de pétrole par pipe-lines, au 31 décembre 1978	42
11. État de la circulation des fonds dans l'industrie du transport de pétrole par pipe-lines, pour les années se terminant le 31 décembre 1978 et 1977	42
12. Effectifs, rémunérations et heures-hom- mes, dans l'industrie du transport de pétrole par pipe-lines, au Canada, 1978	43
Glossaire des termes	45



Digitized by the Internet Archive
in 2023 with funding from
University of Toronto

<https://archive.org/details/39290109050221>

INTRODUCTION

The 1978 Oil Pipeline Transport (S.I.C. 515) report continues the concepts introduced in the 1960 publication; that is, data are provided in three areas; petroleum commodities, transportation and financial statistics.

The commodities carried by the oil pipe lines are divided into three groups:

- (a) Crude oil, condensate and pentanes plus.
- (b) Liquefied petroleum gases.
- (c) Refined petroleum products.

Some pipe lines extend into the United States and return to Canada; these statistics account for the commodity disposition to the United States but the transportation equivalent of these operations is not included. A glossary of terms is given on page 44.

Review of Survey Results

The oil pipe line industry recorded lower trends in its operations in 1978 resulting from decreases in the production of crude petroleum and equivalent hydrocarbon liquids. Production during the year totalled 522.9 million barrels (83.1 millions of cubic metres) compared with the previous year's total of 529.4 million barrels (84.1 millions of cubic metres).

Net receipts into pipe lines during 1978 were 875.5 million barrels (139.0 millions of cubic metres) as compared with 887.8 million barrels (141.1 millions of cubic metres) in 1977. Alberta continued to provide the largest percentage of receipts with 63.9%, followed by Quebec 10.1% and Ontario 16.2%. A summary of the provincial distribution of receipts into pipe lines in millions of barrels follows:

La publication de 1978 sur le Transport du pétrole par pipe-lines (C.A.É. 515) s'inspire des mêmes principes que ceux dont on s'est servi pour la première fois en 1960, c'est-à-dire, que les données se rapportent à trois domaines; les produits, le transport et la statistique financière du pétrole.

Les produits transportés par pipe-lines sont répartis en trois groupes:

- a) Pétrole brut, condensat et pentanes plus.
- b) Gaz de pétrole liquéfiés.
- c) Produits pétroliers raffinés.

Certains pipe-lines s'étendent jusqu'aux États-Unis et reviennent au Canada; les statistiques qui les concernent tiennent compte de l'utilisation des produits aux États-Unis mais ne donnent pas l'équivalent en transport de ces opérations. Un glossaire de termes figure à la page 44.

Étude des résultats de l'enquête

En 1978, l'industrie des pipe-lines a montré une diminution à cause d'une réduction de la production de pétrole brut et de liquides d'hydrocarbures équivalents. La production de l'année a atteint 522.9 millions de barils (83.1 millions de mètres cubes) comparativement à 529.4 millions de barils (84.1 millions de mètres cubes) en 1977.

En 1978, les arrivages nets aux pipe-lines ont été de 875.5 millions de barils (139.0 millions de mètres cubes) contre 887.8 millions de barils (141.1 millions de mètres cubes) en 1977. L'Alberta s'est maintenue au premier rang des arrivages avec 63.9 %, suivie du Québec 10.1 % et de l'Ontario 16.2 %. Voici un tableau récapitulatif des arrivages par province, en millions de barils:

	Crude oil pipe lines		Products pipe lines		Total	
	Pipe-lines pour pétrole brut		Pipe-lines pour produits			
	millions of barrels — millions de barils	millions of cubic metres — millions de mètres cubes	millions of barrels — millions de barils	millions of cubic metres — millions de mètres cubes	millions of barrels — millions de barils	millions of cubic metres — millions de mètres cubes
Alberta	448.9	71.3	110.7	17.6	559.6	88.9
Québec	62.7	10.0	25.8	4.1	88.5	14.1
Saskatchewan	55.4	8.8	6.1	0.9	61.5	9.7
Ontario	38.3	6.1	103.8	16.5	142.1	22.6
British Columbia - Colombie- Britannique	14.6	2.3	5.1	0.8	19.7	3.1
Manitoba	4.1	0.6	—	—	4.1	0.6
Total	624.0	99.1	251.5	39.9	875.5	139.0

Net receipts in to crude oil pipe lines decreased 2.5% over 1977 and products pipe lines showed a 1.4% increase for the same period.

The sources of receipts into crude oil pipe lines during 1978 were 71.7% from field gathering systems, 15.6% imports, 10.5% from natural gas processing plants and 2.2% from other carriers.

Sources of receipts into products pipe lines during 1978 were 65.3% from refineries, 25.6% from natural gas processing plants and 9.1% from other carriers.

Exports of crude oil and products via pipe line facilities during 1978 were 128.9 million barrels (20.5 millions of cubic metres) a decrease of 13.5 over 1977 while imports decreased to 104.6 million barrels (16.6 million cubic metres) down 7.0%. Crude petroleum exports decreased 17.4% over 1977 while liquefied petroleum gas and other products exports increased 11.5% during the year.

Trunk lines decreased their traffic by 0.7% to 390.5 billion barrel miles or 57.7 billion ton miles while the average length of haul was 445.8 miles per barrel compared with 444.0 miles per barrel for 1977 and 469.3 for 1976. The throughput for the average crude oil trunk pipe line system mile was 124,561 barrels per day. The trunk pipe line revenue per barrel mile amounted to 0.07496 cents or 0.5073 cents per ton mile.

In the United States, Trans Mountain Oil Pipe Line Company (through its wholly-owned subsidiary, Trans Mountain Oil Pipe Line Corporation) operates 57 miles of pipe line in the State of Washington. Interprovincial Pipe Line Company operates (through its wholly-owned subsidiary, Lakehead Pipe Line Company Inc.) some 2,572 miles of pipe line in the United States.

Montreal Pipe Line Company Limited and its wholly-owned subsidiary, Portland Pipe Line Limited of the United States, operate jointly approximately 166 miles each of 12", 18" and 24" pipe line in the States of Maine, Vermont and New Hampshire.

Gross additions to fixed assets for the Oil Pipe Line Industry during 1978 amounted to \$198.8 million. Of this, the important items were additions to pipe lines \$36.5 million, additions to other plant and equipment \$83.1 million and additions to transportation plant under construction \$52.8 million.

Les arrivages nets aux pipe-lines transportant du pétrole brut ont été inférieures de 2.5 % à ceux de 1977 et les arrivages nets aux pipe-lines transportant des produits ont augmenté de 1.4 % pendant la même période.

En 1978, 71.7 % des arrivages de pétrole brut provenaient des champs pétrolières, 15.6 % des importations, 10.5 % des usines de traitement du gaz naturel et 2.2 % d'autres transporteurs.

En 1978, 65.3 % des arrivages de produits provenaient des raffineries, 25.6 % des usines de traitement du gaz naturel et 9.1 % d'autres transporteurs.

Les exportations de pétrole brut et de produits acheminées par pipe-lines ont diminuées à 128.9 millions de barils (20.5 millions de mètres cubes) en 1978, soit 13.5 % de moins qu'en 1977 et les importations ont diminué de 104.6 millions de barils (16.6 millions de mètres cubes) (- 7.0 %). Les exportations de pétrole brut ont diminué de 17.4 % par rapport à 1977 et celles de gaz de pétrole liquéfiés et d'autres produits ont augmenté de 11.5 %.

Le trafic des conduites principales s'est accru de 0.7 % pour atteindre 390.5 milliards de milles-barils ou 57.7 milliards de tonnes-milles alors que la distance moyenne a été de 445.8 milles par baril contre 444.0 milles en 1977 et 469.3 milles en 1976. Le flot moyen des conduits principaux de pétrole brut a été de 124,561 barils par jour et par mille. Les recettes des conduites principales par mille-baril ont été de 0.07496 cent ou 0.5073 cent par tonne-mille.

Aux États-Unis, la Trans Mountain Oil Pipe Line Company (par l'intermédiaire de sa filiale d'entière appartenance, la Trans Mountain Oil Pipe Line Corporation) exploite 57 milles de pipe-lines dans l'Etat de Washington. L'Interprovincial Pipe Line Company annonce qu'elle exploite (par l'intermédiaire de sa filiale d'entière appartenance, la Lakehead Pipe Line Company Inc.) quelque 2,572 milles de pipe-lines aux États-Unis.

La Montreal Pipe Line Company Limited et sa propre filiale, la Portland Pipe Line Limited des États-Unis sont coexploitantes d'environ 166 milles de pipe-lines de 12", 18" et 24" de diamètre dans les États du Maine, du Vermont et du New Hampshire.

En 1978, la valeur brute de l'actif immobilisé de l'industrie des pipe-lines s'est accrue de \$198.8 millions. Les plus importantes augmentations sont \$36.5 millions de dollars consacré au prolongement des pipe-lines, \$83.1 millions aux autres installations et matériel et \$52.8 millions aux installations de transport en construction.

Operating revenues in the amount of \$363.8 million increased 8.3% over 1977 and remained the main sources of funds to finance the operations and expansion of this industry. Operating expenses were \$136.4 million, an increase of 12.2% over 1977. Interest on long term debt was \$45.7 million, up .02%.

Income taxes amounting to \$66.3 million, decreased 1.1% from 1977. The net income of this industry after providing for allowances for depreciation and income taxes was \$101.7 million, 3.0% less than the 1977 net income of \$104.8 million.

Total assets of this industry amounted to \$1,414.2 million as at December 31, 1978. Interprovincial companies owned \$849.4 million or 60% of this total with the remaining \$564.8 million being owned by companies operating within provincial boundaries.

The total number of employees, 1,395 increased slightly from the 1,232 in 1977. Total salaries rose to \$29,533,185 from \$25,214,371 and resulted in an increase of average annual earnings per employee to \$21,170 in 1978 from \$20,466 in 1977.

The following table present selected statistics pertinent to the crude oil pipe line transport industry for the years 1973 to 1978.

Les recettes d'exploitation (\$363.8 millions) ont été une augmentation de 8.3 % à celles de 1977 et ont surtout servi à financer les opérations et l'expansion de cette industrie. Les dépenses d'exploitation, s'élevant à \$136.4 millions, ont dépassé de 12.2 % celles de 1977. L'intérêt sur la dette à long terme s'est chiffrée à \$45.7 millions (+ .02 %).

Les impôts sur le revenu ont atteint \$66.3 million, soit 1.1 % de moins qu'en 1977. Le revenu net de cette industrie, déduction faite de l'amortissement et de l'impôt sur le revenu, a été de \$101.7 millions, soit 3.0 % de moins qu'en 1977 (\$104.8 millions).

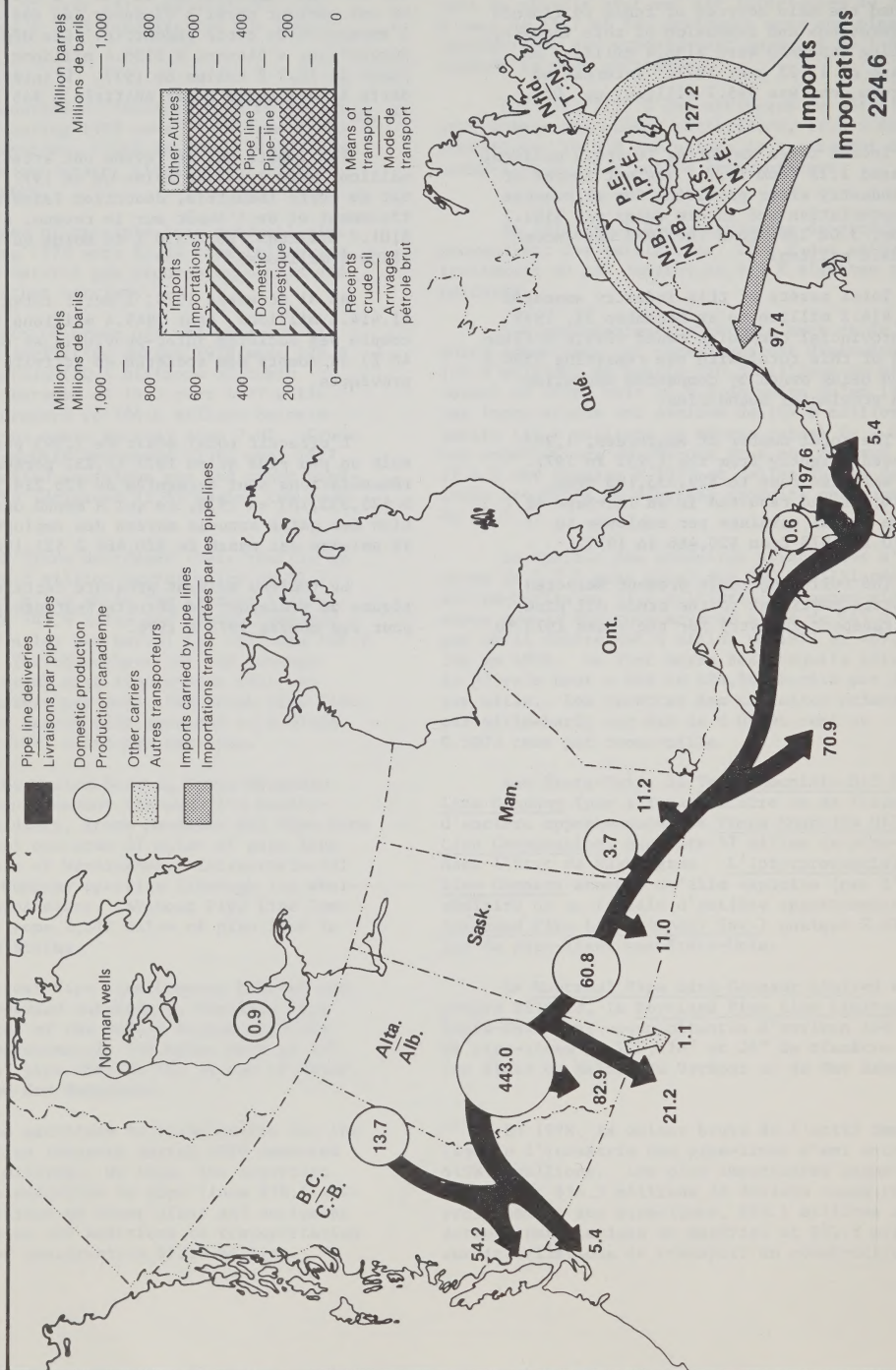
Au 31 décembre 1978, l'actif total était de \$1,414.2 millions, dont \$849.4 millions (60 % au compte des sociétés inter-provinciales et le reste 40 %) au compte des sociétés en activité dans les provinces.

L'effectif total était de 1,395 personnes, soit un peu plus qu'en 1977 (1,232 personnes). Les rémunérations sont augmentées de \$25,214,371 en 1977 à \$29,533,185 en 1978, ce qui a amené une augmentation des gains annuels moyens des employés, dont le salaire est passé de \$20,466 à \$21,170.

Le tableau suivant présente certaines statistiques du transport de pétrole brut par pipe-lines pour les années 1973 à 1978.

Distribution of Domestic and Imported Crude Oil, 1978

Distribution du pétrole brut canadien et d'importation, 1978



Selected Statistics - Statistique choisie

	1973	1974	1975	1976	1977	1978
'000,000						
Consumption by Canadian refineries - Consommation par raffineries canadiennes:						
Domestic production - Production domestique barrels - barils	300.3	346.5	316.5	354.8	411.5	428.3
	47.4	55.1	50.3	56.4	65.4	68.1
Imports - Importations barrels - barils	314.0	299.2	301.2	264.2	244.3	224.6
	49.9	47.6	47.9	42.0	38.8	35.7
Pipe line exports - Exportations par pipe-lines barrels - barils	423.8	350.0	275.5	200.7	147.2	128.9
	67.4	55.6	43.8	31.9	23.4	20.5
Net receipts into pipe line - Arrivages nets dans pipe-lines:						
Crude oil (domestic) - Pétrole brut (domestique) .. barrels - barils	718.8	691.4	590.0	533.6	532.4	526.6
	114.3	109.9	93.8	84.8	84.6	83.7
All commodities - Tous les produits barrels - barils	1,058.6	1,030.7	955.2	911.0	887.8	875.5
	168.3	163.9	151.9	144.8	141.1	139.0
Operating revenues - Revenus d'exploitation \$	323.0	320.7	300.6	303.0	335.8	363.8
Operating expenses - Dépenses d'exploitation "	84.4	95.1	98.2	109.8	121.5	136.4
Net income (after income tax) - Revenu net (après l'impôt sur le revenu) "	107.4	94.3	89.9	88.4	104.8	101.7
Property account - Compte de propriété "	1,089.8	1,144.4	1,303.7	1,558.0	1,417.7	1,612.4
Long-term debt - Dette à long terme "	391.3	404.1	394.6	513.5	546.5	496.1
Barrel miles - Milles-barils miles - milles	558,088.9	535,130.5	448,883.1	424,907.0	393,095.1	390,509.4
Pipe line mileage - Longueur des conduites:						
Gathering - Secondaires miles - milles	7,304.5(1)	7,795.7(2)	7,985.3(3)	7,789.6(4)	7,743.0(5)	7,701.7(6)
	11 752.9(1)	12 543.3(2)	12 848.3(3)	12 533.5(4)	12 460.7(5)	12 394.4(6)
Trunk - Crude - Principales - Brut miles - milles	9,468.8	9,324.0	9,475.3	10,301.5	10,741.9	10,674.7
	15 235.3	15 002.3	15 245.8	16 575.1	17 287.6	17 179.4
Products lines - Conduites de produits raffinés miles - milles	1,992.4	2,305.7	2,318.6	2,333.4	2,338.7	3,011.7
	3 205.8	3 709.9	3 730.6	3 754.4	3 763.7	4 846.8
Total miles - milles	18,765.7(1)	19,425.4(2)	19,779.2(3)	20,424.5(4)	20,823.6(5)	21,388.1(6)
	30 194.0(1)	31 255.5(2)	31 824.7(3)	32 863.0(4)	33 512.0(5)	34 420.6(6)
Average miles per barrel - Moyenne de milles par baril miles - milles	529.3	520.0	470.9	469.3	444.0	445.8
Employees - Employés:						
Number - Nombre \$'000	1,444	1,435	1,355	1,387	1,232	1,395
Earnings - Rémunérations ...	19,351	21,043	22,216	25,506	25,214	29,533

(1) Includes 2,379.0 miles (3 827.8 kilometres) of producers' gathering lines. - Inclus 2,379.0 milles (3 827.8 kilomètres) de conduites secondaires des producteurs.

(2) Includes 2,843.5 miles (4 575.2 kilometres) of producers' gathering lines. - Inclus 2,843.5 milles (4 575.2 kilomètres) de conduites secondaires des producteurs.

(3) Includes 3,038.0 miles (4 888.1 kilometres) of producers' gathering lines. - Inclus 3,038.0 milles (4 888.1 kilomètres) de conduites secondaires des producteurs.

(4) Includes 2,668.8 miles (4 294.1 kilometres) of producers' gathering lines. - Inclus 2,668.8 milles (4 294.1 kilomètres) de conduites secondaires des producteurs.

(5) Includes 2,603.9 miles (4 190.5 kilometres) of producers' gathering lines. - Inclus 2,603.9 milles (4 190.5 kilomètres) de conduites secondaires des producteurs.

(6) Includes 2,584.0 miles (4 158.6 kilometres) of producers' gathering lines. - Inclus 2,584.0 (4 158.6 kilomètres) de conduites secondaires des producteurs.

TABLE 1. Receipts and Disposition of Crude Oil and Equivalent, by Source, Canada, 1978

No.		Total	British Columbia — Colombie- Britannique	Alberta	Saskatchewan
			barrels — barils		
	<u>Receipts</u>				
	Net receipts:				
1	From fields	448,017,592	11,971,378	373,536,632	58,976,819
2	From other carriers	9,966,473	972,195	6,996,513	1,666,245
3	From processing plants	65,868,186	409,788	65,209,241	189,261
4	Imports	97,432,486	—	—	—
5	From other	2,756,440	—	2,645,701	110,739
6	<u>Total, net receipts</u>	624,041,177	13,353,361	448,388,087	60,943,064
	<u>Disposition</u>				
	To refineries:				
7	Québec	162,998,024	—	87,987,990	3,870,792
8	Ontario	196,235,914	—	139,361,903	29,649,700
9	Manitoba	11,237,368	—	9,239,671	1,693,858
10	Saskatchewan	10,076,804	—	7,833,431	953,196
11	Alberta	81,885,570	—	81,885,570	—
12	British Columbia	54,197,251	13,145,075	41,052,176	—
13	Northwest Territories	—	—	—	—
14	To other carriers	1,258,235	—	1,082,955	175,280
15	To bulk plants	2,455,734	—	2,379,176	52,310
16	To processing plants	5,374,024	—	5,332,164	41,860
17	For export	98,694,599	374,845	72,085,111	24,715,523
18	To others	1,034,807	—	1,034,807	—
19	<u>Total, net deliveries</u>	625,448,330	13,519,920	449,274,954	61,152,519
20	Pipe line fuel and use	—	—	—	—
21	Line losses and unaccounted for	306,853	72,649	— 110,615	363,243
22	Inventory changes	— 1,714,006	— 239,208	— 776,252	— 572,698
23	<u>Total, disposition</u>	624,041,177	13,353,361	448,388,087	60,943,064
	<u>Receipts</u>		cubic metres — mètres cubes		
	Net receipts:				
24	From fields	71 194 474	1 902 369	59 358 707	9 372 008
25	From other carriers	1 583 771	154 488	1 111 818	264 782
26	From processing plants	10 467 113	65 120	10 362 401	30 075
27	Imports	15 482 996	—	—	—
28	From other	438 024	—	420 427	17 597
29	<u>Total, net receipts</u>	99 166 378	2 121 977	71 253 353	9 684 462
	<u>Disposition</u>				
	To refineries:				
30	Québec	25 902 016	—	13 982 171	615 109
31	Ontario	31 183 848	—	22 146 000	4 711 634
32	Manitoba	1 785 731	—	1 468 279	269 171
33	Saskatchewan	1 601 305	—	1 244 811	151 472
34	Alberta	13 012 436	—	13 012 436	—
35	British Columbia	8 612 484	2 088 883	6 523 601	—
36	Northwest Territories	—	—	—	—
37	To other carriers	199 945	—	172 092	27 853
38	To bulk plants	390 241	—	378 075	8 312
39	To processing plants	853 984	—	847 332	6 652
40	For export	15 683 561	59 567	11 455 045	3 927 544
41	To others	164 441	—	164 441	—
42	<u>Total, net deliveries</u>	99 389 992	2 148 450	71 394 283	9 717 747
43	Pipe line fuel and use	—	—	—	—
44	Line losses and unaccounted for	48 761	11 540	— 17 575	57 721
45	Inventory changes	— 272 375	— 38 013	— 123 355	— 91 006
46	<u>Total, disposition</u>	99 166 378	2 121 977	71 253 353	9 684 462

(1) Includes movements of Canadian oil held in bond in the United States and estimated inventory changes of interprovincial pipe lines in Manitoba and United States.

TABLEAU 1. Arrivages et utilisation de pétrole brut et hydrocarbures équivalents, par source, ensemble du Canada, 1978

Manitoba(1)	Ontario	Québec	United States — États-Unis		N ^o
barrels — barils					
				<u>Arrivages</u>	
				Arrivages nets:	
3,532,763	—	—	—	Des champs pétrolifères	1
237,023	94,497	—	—	Par d'autres transporteurs	2
—	—	—	59,896	Des installations de traitement	3
—	—	62,733,634	34,698,852	Importations	4
—	—	—	—	Autres arrivages	5
3,769,786	94,497	62,733,634	34,758,748	<u>Total, arrivages nets</u>	6
				<u>Utilisation</u>	
				Aux raffineries:	
—	—	62,724,925	8,414,317	Québec	7
3,216,043	94,497	—	23,913,771	Ontario	8
303,839	—	—	—	Manitoba	9
—	—	—	1,290,177	Saskatchewan	10
—	—	—	—	Alberta	11
—	—	—	—	Colombie-Britannique	12
—	—	—	—	Territoires du nord-Ouest	13
—	—	—	—	À d'autres transporteurs	14
—	—	—	24,248	Aux installations de stockage	15
254,552	—	—	—	Aux installations de traitement	16
—	—	—	1,264,568	Envue de l'exportation	17
—	—	—	—	Autres livraisons	18
3,774,434	94,497	62,724,925	34,907,081	<u>Total des livraisons brutes</u>	19
—	—	—	—	Utilisation de mazout par les pipe-lines	20
— 3,621	—	8,709	— 23,512	Fuites et autres pertes	21
— 1,027	—	—	— 124,821	Autres variations	22
3,769,786	94,497	62,733,634	34,758,748	<u>Total de l'utilisation</u>	23
				<u>Arrivages</u>	
				Arrivages nets:	
561 390	—	—	—	Des champs pétrolifères	24
37 667	15 016	—	—	Par d'autres transporteurs	25
—	—	—	9 517	Des installations de traitement	26
—	—	9 969 001	5 513 995	Importations	27
—	—	—	—	Autres arrivages	28
599 057	15 016	9 969 001	5 523 512	<u>Total, arrivages nets</u>	29
				<u>Utilisation</u>	
				Aux raffineries:	
—	—	9 967 617	1 337 119	Québec	30
511 062	15 016	—	3 800 136	Ontario	31
48 281	—	—	—	Manitoba	32
—	—	—	205 022	Saskatchewan	33
—	—	—	—	Alberta	34
—	—	—	—	Colombie-Britannique	35
—	—	—	—	Territoires du nord-Ouest	36
—	—	—	—	À d'autres transporteurs	37
—	—	—	3 854	Aux installations de stockage	38
—	—	—	—	Aux installations de traitement	39
40 451	—	—	200 954	Envue de l'exportation	40
—	—	—	—	Autres livraisons	41
599 794	15 016	9 967 617	5 547 085	<u>Total des livraisons brutes</u>	42
—	—	—	—	Utilisation de mazout par les pipe-lines	43
— 573	—	1 384	— 3 736	Fuites et autres pertes	44
— 164	—	—	— 19 837	Autres variations	45
599 057	15 016	9 969 001	5 523 512	<u>Total de l'utilisation</u>	46

(1) Y compris les quantités de brut canadien en admission temporaire aux États-Unis et les variations estimatives de stocks de pipe-lines interprovinciaux au Manitoba et aux États-Unis.

TABLE 2. Summary of Pipe Line Movements of Crude Oil, Condensate and Pentanes Plus, by Province, 1978

No.		Total 1977	Total	British Columbia — Colombie- Britannique	Alberta	Saskat- chewan
		barrels - barils				
	<u>Receipts</u>					
	Net receipts:					
1	From fields	461,828,914	448,017,592	13,174,778	379,954,775	51,355,276
2	From other carriers	8,875,258	9,966,473	1,036,582	7,220,081	1,084,292
3	From processing plants	60,361,815	65,868,186	409,788	59,743,245	189,261
4	Imports	107,569,008	97,432,486	—	—	1,994,576
5	From other(2)	1,342,745	2,756,440	—	2,017,622	738,818
6	<u>Total, net receipts</u>	639,977,740	624,041,177	14,621,148	448,935,723	55,362,223
	Transfers:					
7	From other provinces	1,010,294,082	1,047,020,641	45,350,577	—	297,129,865
8	From other pipe lines	523,674,636	524,065,730	19,013,844	451,549,724	49,433,730
9	From interprovincial systems	58,527,464	62,557,689	—	13,874,713	6,148,071
10	<u>Total, gross receipts</u>	2,232,473,922	2,257,685,237	78,985,569	914,360,160	408,073,889
	<u>Disposition</u>					
	Net deliveries:					
11	To refineries(3)	508,544,538	516,630,931	54,197,251	81,885,570	10,076,804
12	To other carriers	1,426,426	1,258,235	—	1,082,955	175,280
13	To bulk plants and terminals	414,923	2,455,734	—	1,459,919	745,346
14	To processing plants	4,379,295	5,374,024	—	—	—
15	For export	119,413,931	98,694,599	5,434,400	21,213,190	1,107,432
16	To other(2)	2,157,368	1,034,807	—	1,034,807	—
17	<u>Total, net deliveries</u>	636,336,481	625,448,330	59,631,651	106,676,441	12,104,862
	Transfers:					
18	To other provinces	1,010,294,082	1,047,020,641	—	342,480,442	341,079,368
19	To other pipe lines	119,305,424	111,454,958	11,094,985	88,500,851	804,147
20	To interprovincial systems	462,896,676	475,168,461	7,918,859	376,923,586	54,777,654
21	<u>Total, gross deliveries</u>	2,228,832,663	2,259,092,390	78,645,495	914,581,320	408,766,031
22	Pipe line fuel and use	—	—	—	—	—
23	Line losses and unaccounted for	2,900,614	306,853	72,649	685,211	— 183,039
24	Inventory changes	740,645	— 1,714,006	267,425	— 906,371	— 509,103
25	Other changes	—	—	—	—	—
26	Deliveries to other carriers, United States(6)	—	—	—	—	—
27	<u>Total, disposition</u>	2,232,473,922	2,257,685,237	78,985,569	914,360,160	408,073,889

See footnote(s) at end of table.

TABLEAU 2. Sommaire du transport, par pipe-lines, du pétrole brut, condensat et pentanes plus, par province, 1978

Manitoba(1)	Ontario	Québec	Yukon		N°
barrels - barils					
				<u>Arrivages</u>	
				Arrivages nets:	
3,532,763	—	—	—	Des champs pétrolières	1
531,021	94,497	—	—	Par d'autres transporteurs	2
—	5,525,892	—	—	Des installations de traitement	3
—	32,704,276	62,733,634	—	Importations	4
—	—	—	—	Autres arrivages(2)	5
4,063,784	38,324,665	62,733,634	—	<u>Total des arrivages nets</u>	6
				Transferts:	
341,079,368	263,186,674	100,274,157	—	Venant d'autres provinces	7
4,068,432	—	—	—	Venant d'autres pipe-lines	8
39,881,396	2,653,509	—	—	Venant des réseaux interprovinciaux	9
389,092,980	304,164,848	163,007,791	—	<u>Total des arrivages bruts</u>	10
				<u>Utilisation</u>	
				Livraisons nettes:	
11,237,368	196,235,914	162,998,024	—	Aux raffineries(3)	11
—	—	—	—	À d'autres transporteurs	12
—	250,469	—	—	Aux terminus et aux installations de stockage	13
—	5,374,024	—	—	Aux installations de traitement	14
69,777,402(4)	1,162,175(5)	—	—	En vue de l'exportation	15
—	—	—	—	Autres livraisons(2)	16
81,014,770	203,022,582	162,998,024	—	<u>Total des livraisons nettes</u>	17
				Transferts:	
263,186,674	100,274,157	—	—	À d'autres provinces	18
11,054,975	—	—	—	À d'autres pipe-lines	19
32,894,853	2,653,509	—	—	À des réseaux interprovinciaux	20
388,151,272	305,950,248	162,998,024	—	<u>Total des livraisons brutes</u>	21
—	—	—	—	Utilisation de mazout par les pipe-lines	22
— 299,915	22,180	9,767	—	Fuites et autres pertes	23
1,241,623	— 1,807,580	—	—	Variations de stocks	24
—	—	—	—	Autres variations	25
—	—	—	—	Livraisons d'autres transporteurs, États-Unis(6)	26
389,092,980	304,164,848	163,007,791	—	<u>Total de l'utilisation</u>	27

Voir note(s) à la fin du tableau.

TABLE 2. Summary of Pipe Line Movements of Crude Oil, Condensate and Pentanes Plus, by Province, 1978 - Concluded

No.		Total 1977	Total	British Columbia - Colombie- Britannique	Alberta	Saskat- chewan
		cubic metres - mètres cubes				
	<u>Receipts</u>					
	Net receipts:					
1	From fields	73 389 233	71 194 474	2 093 602	60 378 614	8 160 867
2	From other carriers	1 410 367	1 583 771	164 724	1 147 342	172 305
3	From processing plants	9 592 096	10 467 113	65 118	9 493 800	30 075
4	Imports	17 093 791	15 482 996	-	-	316 958
5	From other(2)	213 376	438 024	-	320 619	117 405
6	<u>Total, net receipts</u>	101 698 863	99 166 378	2 323 444	71 340 375	8 797 610
	Transfers:					
7	From other provinces	160 545 832	166 382 050	7 206 660	-	47 216 907
8	From other pipe lines	83 217 136	83 279 290	3 021 491	71 755 767	7 855 516
9	From interprovincial systems	9 300 599	9 941 041	-	2 204 830	976 989
10	<u>Total, gross receipts</u>	354 762 430	358 768 759	12 551 595	145 300 972	64 847 022
	<u>Disposition</u>					
	Net deliveries:					
11	To refineries(3)	80 812 812	82 097 820	8 612 484	13 012 436	1 601 305
12	To other carriers	226 673	199 945	-	172 092	27 853
13	To bulk plants and terminals	65 936	390 241	-	231 996	118 444
14	To processing plants	695 914	853 984	-	-	-
15	For export	18 976 067	15 683 561	863 581	3 370 988	175 981
16	To other(2)	342 828	164 441	-	164 441	-
17	<u>Total, net deliveries</u>	101 120 230	99 389 992	9 476 065	16 951 953	1 923 583
	Transfers:					
18	To other provinces	160 545 832	166 382 050	-	54 423 567	54 200 924
19	To other pipe lines	18 958 824	17 711 307	1 763 104	14 063 669	127 787
20	To interprovincial systems	73 558 911	75 509 024	1 258 387	59 896 928	8 704 718
21	<u>Total, gross deliveries</u>	354 183 797	358 992 373	12 497 556	145 336 117	64 957 012
22	Pipe line fuel and use	-	-	-	-	-
23	Line losses and unaccounted for	460 936	48 761	11 542	108 887	- 29 088
24	Inventory changes	117 697	- 272 375	42 497	- 144 032	- 80 902
25	Other changes	-	-	-	-	-
26	Deliveries to other carriers, United States(6)	-	-	-	-	-
27	<u>Total, disposition</u>	354 762 430	358 768 759	12 551 595	145 300 972	64 847 022

(1) Includes movements of Canadian oil held in bond in the United States and estimated inventory changes of interprovincial pipelines in Manitoba and United States.

(2) Includes movement of oil from west coast ports to east coast refineries via the Panama Canal.

(3) Includes oil delivered to Ontario refineries for onward shipment to Quebec refineries.

(4) Includes 418,719 barrels (66 539 cubic metres) of United States oil re-exported to the United States.

(5) Includes 845,849 barrels (134 414 cubic metres) of United States oil re-exported to the United States.

(6) Delivered for re-entry into Canada.

TABLEAU 2. Sommaire du transport, par pipe-lines, du pétrole brut, condensat et pentanes plus, par province, 1978 - fin

Manitoba(1)	Ontario	Québec	Yukon		No
cubic metres - mètres cubes					
				<u>Arrivages</u>	
				Arrivages nets:	
561 391	—	—	—	Des champs pétrolières	1
84 384	15 016	—	—	Par d'autres transporteurs	2
—	878 120	—	—	Des installations de traitement	3
—	5 197 036	9 969 002	—	Importations	4
—	—	—	—	Autres arrivages(2)	5
645 775	6 090 172	9 969 002	—	<u>Total des arrivages nets</u>	6
				Transferts:	
54 200 924	41 822 992	15 934 567	—	Venant d'autres provinces	7
646 516	—	—	—	Venant d'autres pipe-lines	8
6 337 554	421 668	—	—	Venant des réseaux interprovinciaux	9
61 830 769	48 334 832	25 903 569	—	<u>Total des arrivages bruts</u>	10
				<u>Utilisation</u>	
				Livraisons nettes:	
1 785 731	31 183 848	25 902 016	—	Aux raffineries(3)	11
—	—	—	—	À d'autres transporteurs	12
—	39 801	—	—	Aux terminus et aux installations de stockage ..	13
—	853 984	—	—	Aux installations de traitement	14
11 088 328(4)	184 683(5)	—	—	En vue de l'exportation	15
—	—	—	—	Autres livraisons(2)	16
12 874 059	32 262 316	25 902 016	—	<u>Total des livraisons nettes</u>	17
				Transferts:	
41 822 992	15 934 567	—	—	À d'autres provinces	18
1 756 747	—	—	—	À d'autres pipe-lines	19
5 227 323	421 668	—	—	À des réseaux interprovinciaux	20
61 681 121	48 618 551	25 902 016	—	<u>Total des livraisons brutes</u>	21
—	—	—	—	Utilisation de mazout par les pipe-lines	22
- 47 658	3 525	1 553	—	Fuites et autres pertes	23
197 306	- 287 244	—	—	Variations de stocks	24
—	—	—	—	Autres variations	25
—	—	—	—	Livraisons d'autres transporteurs, États-Unis(6)	26
61 830 769	48 334 832	25 903 569	—	<u>Total de l'utilisation</u>	27

(1) Y compris les quantités de brut Canadien en admission temporaire aux États-Unis et les variations estimatives de stocks des pipe-lines interprovinciaux au Manitoba et aux États-Unis.

(2) Y compris les quantités de pétrole, provenant des ports de l'ouest à destination des raffineries de l'est par la voie du Canal Panama.

(3) Y compris le pétrole brut livré aux raffineries en Ontario pour être livré aux raffineries du Québec.

(4) Y compris 418,719 barils (66 539 mètres cubes) de pétrole brut provenant des États-Unis et retournés aux États-Unis.

(5) Y compris 845,849 (134 414 mètres cubes) barils de pétrole brut provenant des États-Unis et retournés aux États-Unis.

(6) En transit aux États-Unis.

TABLE 3. Pipe Line Movements of Liquefied Petroleum Gases and Petroleum Products, by Province, 1978

No.		Total 1976	Total	British Columbia — Colombie- Britannique	Alberta	Saskat- chewan
		barrels - barils				
	<u>Receipts</u>					
	Net receipts:					
1	From processing plants	75,376,852	64,487,401	294,849	43,349,463	576,382
2	From refineries and bulk plants	153,131,349	164,418,879	1,521,394	56,919,108	4,799,241
3	From other carriers	6,546,320	4,694,788	2,543,688	2,151,100	—
4	Imports	4,843,119	7,163,418	—	—	—
5	From other	8,075,834	10,683,562	701,444	8,272,501	749,648
6	<u>Total, net receipts</u>	247,973,474	251,448,048	5,061,375	110,692,172	6,125,271
	Transfers:					
7	From other provinces	164,510,387	134,169,932	1,023,127	—	54,791,050
8	From other pipe lines	52,146,730	42,856,673	—	42,103,213	753,460
9	From interprovincial systems ..	18,826,634	18,439,254	—	232,782	8,708,832
10	<u>Total, gross receipts</u>	483,457,225	446,913,907	6,084,502	153,028,167	70,378,613
	<u>Disposition</u>					
	Net deliveries:					
11	To refineries	33,572,721	30,284,163	325,224	7,562,875	8,984,467
12	To bulk plants and terminals ..	164,103,754	158,122,631	1,521,394	20,810,827	6,001,382
13	To other carriers	3,028,787	2,695,402	2,695,402	—	—
14	For export	27,777,473	31,047,488	778,324	2,901,393	4,557,873
15	To other	20,503,943	28,386,421	—	23,426,007	4,805,619
16	<u>Total, net deliveries</u>	248,986,678	250,536,105	5,320,344	54,701,102	24,349,341
	Transfers:					
17	To other provinces	164,510,387	134,169,932	701,444	55,814,177	36,566,572
18	To other pipe lines	34,107,711	30,874,756	—	17,531,824	3,909,591
19	To interprovincial systems	36,865,653	30,421,171	—	24,804,171	5,552,701
20	<u>Total, gross deliveries</u>	484,470,429	446,001,964	6,021,788	152,851,274	70,378,205
21	Pipe line fuel and use	76,950	66,387	—	66,387	—
22	Line losses and unaccounted for	— 229,557	— 21,417	—	— 252,602	21,585
23	Inventory changes	— 860,597	866,973	62,714	363,108	— 21,177
24	Other changes	—	—	—	—	—
25	Deliveries to other carriers, United States.	—	—	—	—	—
26	<u>Total, disposition</u>	483,457,225	446,913,907	6,084,502	153,028,167	70,378,613

See footnote(s) at end of table.

TABLEAU 3. Transport par pipe-lines de gaz de pétrole liquéfiés et de produits pétroliers, par province, 1978

Manitoba(1)	Ontario	Québec	Yukon		N°
barrels - barils					
				<u>Arrivages</u>	
				Arrivages nets:	
-	20,266,707	-	-	Des installations de traitement	1
-	75,383,645	25,795,491	-	Des raffineries et des installations de stockage.	2
-	-	-	-	Par d'autres transporteurs	3
-	7,163,418	-	-	Importations	4
-	959,969	-	-	Autres arrivages	5
-	103,773,739	25,795,491	-	<u>Total des arrivages nets</u>	6
				Transferts:	
36,500,040	41,095,199	59,072	701,444	Venant d'autres provinces	7
-	-	-	-	Venant d'autres pipe-lines	8
9,433,341	64,299	-	-	Venant des réseaux interprovinciaux	9
45,933,381	144,933,237	25,854,563	701,444	<u>Total des arrivages bruts</u>	10
				<u>Utilisation</u>	
				Livraisons nettes:	
9,256,919	4,095,606	59,072	-	Aux raffineries	11
2,444,770	120,730,868	5,906,593	706,797	Aux terminus et aux installations de stockage.	12
-	-	-	-	À d'autres transporteurs	13
3,432,854	19,377,044(2)	-	-	En vue de l'exportation	14
-	154,795	-	-	Autres livraisons	15
15,134,543	144,358,313	5,965,665	706,797	<u>Total des livraisons nettes</u>	16
				Transferts:	
21,134,335	59,072	19,894,332	-	À d'autres provinces	17
9,433,341	-	-	-	À d'autres pipe-lines	18
-	64,299	-	-	À des réseaux interprovinciaux	19
45,702,219	144,481,684	25,859,997	706,797	<u>Total des livraisons brutes</u>	20
-	-	-	-	Utilisation de mazout par les pipe-lines	21
210,471	9,817	- 5,434	- 5,254	Fuites et autres pertes	22
20,691	441,736	-	- 99	Variations de stocks	23
-	-	-	-	Autres variations	24
-	-	-	-	Livraisons à d'autres transporteurs, États- Unis.	25
45,933,381	144,933,237	25,854,563	701,444	<u>Total de l'utilisation</u>	26

Voir note(s) à la fin du tableau.

TABLE 3. Pipe Line Movements of Liquefied Petroleum Gases and Petroleum Products, by Province, 1978 - Concluded

No.		Total 1977	Total	British Columbia — Colombie- Britannique	Alberta	Saskat- chewan
		cubic metres — mètres cubes				
	<u>Receipts</u>					
	Net receipts:					
1	From processing plants	11 973 613	10 245 220	46 840	6 886 926	91 579
2	From refineries and bulk plants	24 324 915	26 121 345	241 698	9 042 647	762 466
3	Imports	769 329	1 138 035	—	—	—
4	From other carriers	1 039 883	745 889	404 122	341 767	—
5	From other	1 282 846	1 697 213	111 441	1 314 190	119 091
6	<u>Total, net receipts</u>	39 390 586	39 947 702	804 101	17 585 530	973 136
	Transfers:					
7	From other provinces	26 132 475	21 315 722	162 539	—	8 704 627
8	From other pipe lines	8 283 508	6 808 631	—	6 688 937	119 694
9	From interprovincial systems ..	2 990 611	2 929 456	—	36 977	1 383 600
10	<u>Total, gross receipts</u>	76 797 180	71 001 511	966 640	24 311 444	11 181 057
	<u>Disposition</u>					
	Net deliveries:					
11	To refineries	5 333 026	4 811 251	51 668	1 201 517	1 427 358
12	To other carriers	481 123	428 213	428 213	—	—
13	To bulk plants and terminals ..	26 067 881	25 121 196	241 697	3 306 175	953 447
14	For export	4 412 451	4 932 422	123 653	460 923	724 018
15	To other	3 257 052	4 509 740	—	3 721 661	763 480
16	<u>Total, net deliveries</u>	39 551 533	39 802 822	845 231	8 690 276	3 868 303
	Transfers:					
17	To other provinces	26 132 475	21 315 722	111 441	8 867 165	5 809 383
18	To other pipe lines	5 418 010	4 905 094	—	2 785 296	621 133
19	To interprovincial systems	5 856 109	4 832 993	—	3 940 618	882 161
20	<u>Total, gross deliveries</u> ...	76 958 127	70 856 631	956 672	24 283 355	11 180 980
21	Pipe line fuel and use	12 224	10 546	—	10 546	—
22	Line losses and unaccounted for	— 36 467	— 3 401	—	— 40 127	3 429
23	Inventory changes	— 136 704	137 735	9 968	57 670	— 3 352
24	Other changes	—	—	—	—	—
25	Deliveries to other carriers, United States.	—	—	—	—	—
26	<u>Total, disposition</u>	76 797 180	71 001 511	966 640	24 311 444	11 181 057

(1) Includes movements and inventory changes in Manitoba and United States.

(2) Includes 7,244,979 barrels (1 151 109) cubic metres of United States Liquefied Petroleum Gas, re-exported to the United States.

TABLEAU 3. Transport par pipe-lines de gaz de pétrole liquéfiés et de produits pétroliers, par province, 1978 - fin

Manitoba(1)	Ontario	Québec	Yukon		Nº
cubic metres - mètres cubes					
				<u>Arrivages</u>	
				Arrivages nets:	
-	3 219 875	-	-	Des installations de traitement	1
-	11 976 313	4 098 221	-	Des raffineries et des installations de stockage.	2
-	1 138 035	-	-	Importations	3
-	-	-	-	Par d'autres transporteurs	4
-	152 491	-	-	Autres arrivages	5
-	16 486 714	4 098 221	-	<u>Total des arrivages nets</u>	6
5 798 814	6 528 918	9 383	111 441	Transferts:	
-	-	-	-	Venant d'autres provinces	7
1 498 665	10 214	-	-	Venant d'autres pipe-lines	8
				Venant des réseaux interprovinciaux	9
7 297 479	23 025 846	4 107 604	111 441	<u>Total des arrivages bruts</u>	10
				<u>Utilisation</u>	
				Livraisons nettes:	
1 470 652	650 673	9 383	-	Aux raffineries	11
-	-	-	-	À d'autres transporteurs	12
388 406	19 180 778	938 400	112 293	Aux terminus et aux installations de stockage.	13
545 371	3 078 457(2)	-	-	En vue de l'exportation	14
-	24 599	-	-	Autres livraisons	15
2 404 429	22 934 507	947 783	112 293	<u>Total des livraisons nettes</u>	16
3 357 666	9 383	3 160 684	-	Transferts:	
1 498 665	-	-	-	À d'autres provinces	17
-	10 214	-	-	À d'autres pipe-lines	18
				À des réseaux interprovinciaux	19
7 260 760	22 954 104	4 108 467	112 293	<u>Total des livraisons brutes</u>	20
-	-	-	-	Utilisation de mazout par les pipe-lines	21
33 433	1 562	- 863	- 835	Fuites et autres pertes	22
3 286	70 180	-	- 17	Variations de stocks	23
-	-	-	-	Autres variations	24
-	-	-	-	Livraisons à d'autres transporteurs, États- Unis.	25
7 297 479	23 025 846	4 107 604	111 441	<u>Total de l'utilisation</u>	26

(1) Y compris les quantités transportées et les variations de stocks au Manitoba et aux États-Unis.

(2) Y compris 7,224,979 barils (1 151 109 mètres cubes) de gaz de pétrole liquéfiés provenant des États-Unis et retourner aux États-Unis.

TABLE 4. Summary of Pipe Line Movements, by Commodity Groups, by Month, Canada, 1978

No.		Total		January	February	March	April	May
		1977	1978	Janvier	Février	Mars	Avril	Mai
		barrels - barils						
	<u>Receipts</u>							
	Crude oil and equivalent:(1)							
	Net receipts:							
1	From fields	461,828,914	448,017,592	36,940,635	35,431,404	39,702,952	30,091,207	32,906,883
2	From other carriers	8,875,258	9,966,473	833,194	769,511	815,558	484,361	782,380
3	From processing plants	60,361,815	65,868,186	4,798,529	4,166,476	4,062,540	5,421,321	5,887,338
4	Imports	107,569,008	97,432,486	10,332,677	8,424,628	8,781,370	8,103,708	7,170,539
5	From refineries and bulk plants	214,635	743,862	85,254	100,947	71,337	50,477	59,382
6	From other(2)	1,128,110	2,012,578	33,149	215,030	45,278	39,813	68,925
7	<u>Total net receipts</u>	639,977,740	624,041,177	53,023,438	49,107,996	53,479,035	44,190,887	46,875,447
8	Transfers	1,592,496,182	1,633,644,060	136,028,694	127,938,448	136,647,621	116,869,587	132,616,287
9	<u>Total gross receipts</u>	2,232,473,922	2,257,685,237	189,052,132	177,046,444	190,126,656	161,060,474	179,491,734
	LPC's and products:(3)							
10	From processing plants	75,376,852	64,487,401	6,150,819	5,648,294	5,955,776	5,362,476	5,229,046
11	From bulk plants and refineries	153,131,349	164,418,879	15,478,280	14,201,480	14,030,606	11,684,729	13,299,678
12	Imports	4,843,119	7,163,418	494,863	457,709	531,382	511,676	533,216
13	From other carriers	6,546,320	4,694,788	548,445	581,020	613,031	606,469	447,295
14	From other	8,075,834	10,861,648	547,398	311,287	304,089	355,292	288,720
15	<u>Total net receipts</u>	247,973,474	251,626,134	23,219,805	21,199,790	21,434,884	18,520,642	19,797,955
16	Transfers	235,483,751	195,632,785	19,635,181	16,703,163	16,755,675	12,938,236	14,241,567
17	<u>Total gross receipts</u>	483,457,225	447,258,919	42,854,986	37,902,953	38,190,559	31,458,878	34,039,522
18	<u>Total net receipts - All commodities</u>	887,951,214	875,667,311	76,243,243	70,307,786	74,913,919	62,711,529	66,673,402
	<u>Disposition</u>							
	Crude oil and equivalent:(1)							
	Net deliveries:							
19	To refineries	508,544,538	516,630,931	44,769,353	41,106,035	42,417,018	37,325,379	39,257,741
20	To other carriers	1,426,426	1,258,218	32,557	103,660	131,111	132,795	150,021
21	To bulk plants	414,923	2,455,734	81,540	80,097	80,097	72,388	51,887
22	To processing plants	4,379,295	5,374,024	582,581	505,249	473,126	311,075	441,881
23	For export(4)	119,413,931	98,694,599	8,764,432	8,618,723	8,837,112	7,486,604	7,077,244
24	To other(2)	2,157,368	1,034,807	156,309	9,709	9,687	994	51,670
25	<u>Total net deliveries</u>	636,336,481	625,448,330	54,386,772	50,427,085	51,948,151	45,329,235	47,096,684
26	Transfers	1,592,496,182	1,633,644,060	136,028,694	127,938,448	136,647,621	116,869,587	132,616,287
27	<u>Total gross deliveries</u>	2,228,832,663	2,259,092,390	190,415,466	178,365,533	188,595,772	162,198,822	179,712,971
28	Pipe line fuel and use	—	—	—	—	—	—	—
29	Line losses and unaccounted for	2,900,614	306,853	149,095	160,026	22,234	— 71,003	82,452
30	Inventory changes	740,645	— 1,714,006	— 1,512,429	— 1,479,115	1,508,650	— 1,067,345	— 303,689
31	Other changes	—	—	—	—	—	—	—
32	Deliveries to other carriers, United States	—	—	—	—	—	—	—
33	<u>Total disposition</u>	2,232,473,922	2,257,685,237	189,052,132	177,046,444	190,126,656	161,060,474	179,491,734
	LPC's and products:(3)							
34	To refineries	33,572,721	30,284,163	2,946,623	2,309,387	2,416,335	1,931,067	2,035,388
35	To other carriers	3,028,787	2,695,402	269,976	—	269,878	269,771	—
36	To bulk plants and terminals	164,103,754	158,122,631	15,510,371	14,319,641	14,500,430	11,864,367	13,365,466
37	For export	27,777,473	30,201,637	2,338,773	2,328,843	2,168,187	2,046,589	2,207,716
38	To other	20,503,943	28,386,421	2,413,159	2,227,920	2,170,040	2,291,276	2,320,558
39	<u>Total net deliveries</u>	248,986,678	249,690,254	23,478,902	21,185,791	21,524,870	18,403,070	19,929,128
40	Transfers	235,483,751	195,632,785	19,635,181	16,703,163	16,755,675	12,938,236	14,241,567
41	<u>Total gross deliveries</u>	484,470,429	445,323,039	43,114,083	37,888,954	38,280,545	31,341,306	34,170,695
42	Pipe line fuel and use	76,950	66,387	7,605	6,827	6,547	5,359	3,626
43	Line losses and unaccounted for	— 229,557	21,149	20,843	— 113,325	18,060	— 9,337	— 31,335
44	Inventory changes	— 860,597	1,848,344	— 287,545	120,497	— 114,593	121,550	— 103,464
45	Other changes	—	—	—	—	—	—	—
46	Deliveries to other carriers, United States	—	—	—	—	—	—	—
47	<u>Total disposition</u>	483,457,225	447,258,919	42,854,986	37,902,953	38,190,559	31,458,878	34,039,522
48	<u>Total net deliveries - All commodities</u> ..	885,323,159	875,138,584	77,865,674	71,612,876	63,473,021	63,732,305	67,025,812

See footnote(s) at end of table.

TABLEAU 4. Sommaire du transport, par pipe-lines, des produits de pétrole répartis en groupes, par mois, au Canada, 1978

June Juin	July Juillet	August Août	September Septembre	October Octobre	November Novembre	December Décembre		N°
barrels - barils								
							<u>Arrivages</u>	
							Brut et équivalent(1):	
							Arrivages nets:	
43,366,387	33,120,482	36,655,185	36,296,335	39,325,152	41,395,193	42,585,777	Des champs pétrolifères	1
856,661	859,676	902,087	869,770	989,949	919,653	885,673	Par d'autres transporteurs	2
5,410,579	5,870,914	6,317,709	4,113,103	5,775,475	6,340,394	7,703,898	Des installations de traitement	3
8,385,072	7,940,238	8,667,076	6,925,551	8,541,036	7,035,623	7,124,968	Importations	4
36,717	29,360	45,348	49,534	71,821	88,306	88,306	Des raffineries et des installations de stockage ...	5
77,618	276,294	245,942	302,684	181,918	254,884	271,043	Autres arrivages(2)	6
58,131,034	48,096,964	53,033,347	48,556,887	54,868,909	56,017,568	58,659,665	Total des arrivages nets	7
145,466,916	124,279,467	134,270,763	126,766,893	144,077,318	150,228,346	158,453,720	Transferts	8
203,597,950	172,376,431	187,304,110	175,323,780	198,946,227	206,245,914	217,113,385	Total des arrivages bruts	9
							G.P.L. et produits pétroliers(3):	
5,610,067	5,378,116	5,045,669	4,054,123	4,895,555	5,294,426	5,863,034	Des installations de traitement	10
12,987,997	12,735,491	12,763,816	12,650,992	12,783,178	14,706,790	17,095,842	Des installations de stockage et des raffineries	11
602,428	642,953	695,876	603,391	667,095	687,716	735,113	Importations	12
267,697	311,787	290,498	257,756	244,021	300,102	226,667	Par d'autres transporteurs	13
980,260	766,372	2,209,053	764,896	983,217	1,994,696	1,356,366	Autres arrivages	14
20,448,449	19,834,719	21,004,914	18,331,158	19,573,066	22,983,730	25,277,022	Total des arrivages nets	15
14,549,533	14,193,880	14,940,401	14,338,380	17,040,736	20,017,371	20,278,662	Transferts	16
34,997,982	34,028,599	35,945,315	32,669,538	36,613,802	43,001,101	45,555,684	Total des arrivages bruts	17
78,579,483	67,931,683	74,038,261	66,888,045	74,441,975	79,001,298	83,936,687	Total des arrivages nets, tous les produits	18
							<u>Utilisation</u>	
							Brut et équivalent(1):	
							Livraisons nettes:	
46,669,297	41,883,153	44,617,133	40,027,815	45,727,269	45,499,356	47,331,382	Aux raffineries	19
142,888	134,629	121,362	136,178	24,672	28,283	120,079	À d'autres transporteurs	20
1,668,233	46,205	61,331	47,929	47,521	67,654	81,000	Aux installations de stockage	21
-	455,959	487,380	528,166	500,021	557,012	531,940	Aux installations de traitement	22
8,311,501	7,503,236	7,878,324	7,112,229	8,270,467	8,894,468	9,940,259	En vue de l'exportation(4)	23
92,293	94,141	117,402	101,817	197,832	145,725	57,228	Autres livraisons(2)	24
56,884,212	50,116,957	53,282,932	47,954,134	54,767,782	55,192,498	58,061,888	Total des livraisons nettes	25
145,466,916	124,279,467	134,270,763	126,766,893	144,077,318	150,228,346	158,453,720	Transferts	26
202,351,228	174,396,424	187,553,695	174,721,027	198,845,100	205,420,844	216,515,608	Total des livraisons brutes	27
-	-	-	-	-	-	-	Utilisation de mazout par les pipe-lines	28

Voir note(s) a la fin du tableau.

TABLE 4. Summary of Pipe Line Movements, by Commodity Groups, by Month, Canada, 1978 - Concluded

No.		Total		January	February	March	April	May
		1977	1978	Janvier	Février	Mars	Avril	Mai
		cubic metres - mètres cubes						
	<u>Receipts</u>							
	Crude oil and equivalent:(1)							
	Net receipts:							
1	From fields	73 389 233	71 194 474	5 870 236	5 603 403	6 309 196	4 781 793	5 229 234
2	From other carriers	1 410 367	1 583 771	132 403	122 284	129 600	76 970	124 328
3	From processing plants	9 592 096	10 467 113	762 534	662 095	645 577	861 501	935 557
4	Imports	17 093 791	15 482 996	1 641 966	1 338 757	1 395 448	1 287 761	1 139 470
5	From refineries and bulk plants	34 108	118 206	13 548	16 041	11 336	8 021	9 436
6	From other(2)	213 376	319 818	5 268	34 170	7 195	6 327	10 953
7	<u>Total net receipts</u>	101 698 863	99 166 378	8 425 955	7 803 750	8 498 352	7 022 373	7 448 978
8	Transfers	253 063 567	259 602 381	21 616 320	20 330 699	21 714 675	18 571 747	21 074 054
9	<u>Total gross receipts</u>	354 762 430	358 768 759	30 042 275	28 134 449	30 213 027	25 594 120	28 523 032
	LPG's and products:(3)							
10	From processing plants	11 973 613	10 245 220	977 426	897 570	946 433	851 828	830 634
11	From bulk plants and refineries	24 324 915	26 121 345	2 459 654	2 256 757	2 229 603	1 856 120	2 112 654
12	Imports	769 329	1 138 035	78 639	72 734	84 442	81 280	84 701
13	From other carriers	1 039 889	745 889	87 153	92 330	97 416	96 338	71 053
14	From other	1 282 846	1 725 502	86 987	49 467	48 323	56 439	45 863
15	<u>Total net receipts</u>	39 390 586	39 975 991	3 689 859	3 368 858	3 406 217	2 942 005	3 144 905
16	Transfers	37 406 594	31 080 326	3 120 228	2 654 298	2 662 644	2 055 240	2 262 272
17	<u>Total gross receipts</u>	76 797 180	71 056 317	6 810 087	6 023 156	6 068 861	4 997 245	5 407 177
18	<u>Total net receipts - All commodities</u>	141 089 449	139 142 369	12 115 814	11 172 608	11 904 569	9 964 378	10 593 883
	<u>Disposition</u>							
	Crude oil and equivalent:(1)							
	Net deliveries:							
19	To refineries	80 812 812	82 097 820	7 114 298	6 532 159	6 740 488	5 931 376	6 238 448
20	To other carriers	226 673	199 945	5 173	16 473	20 835	21 102	23 840
21	To bulk plants	65 936	390 241	12 958	13 302	12 728	11 503	18 772
22	To processing plants	695 914	853 984	92 578	80 289	75 184	49 433	70 219
23	For export	18 976 067	15 682 561	1 392 756	1 369 602	1 404 305	1 189 697	1 125 645
24	To other(2)	342 828	164 441	24 839	1 543	1 539	158	8 211
25	<u>Total net deliveries</u>	101 120 230	99 389 992	8 642 602	8 013 368	8 255 079	7 203 269	7 484 135
26	Transfers	253 063 567	259 602 381	21 616 320	20 330 699	21 714 675	18 571 747	21 074 054
27	<u>Total gross deliveries</u>	354 183 797	358 992 373	30 258 922	28 344 067	29 969 754	25 775 016	28 558 189
28	Pipe line fuel and use	—	—	—	—	—	—	—
29	Line losses and unaccounted for	460 936	48 761	23 693	25 429	3 533	- 11 283	13 102
30	Inventory changes	117 697	- 272 375	- 240 340	- 235 047	239 740	- 169 613	- 48 259
31	Other changes	—	—	—	—	—	—	—
32	Deliveries to other carriers, United States	—	—	—	—	—	—	—
33	<u>Total disposition</u>	354 762 430	358 768 759	30 042 275	28 134 449	30 213 027	25 594 120	28 523 032
	LPG's and products:(3)							
34	To refineries	5 333 026	4 811 251	468 246	366 985	383 980	306 750	323 322
35	To other carriers	481 123	- 428 213	42 902	—	42 886	42 853	—
36	To bulk plants and terminals	26 067 881	25 121 196	2 464 754	2 275 534	2 304 263	1 884 655	2 123 104
37	For export	4 412 451	4 798 059	371 656	370 076	344 547	325 101	350 696
38	To other	3 257 052	4 509 740	383 475	354 039	344 841	363 969	368 621
39	<u>Total net deliveries</u>	39 551 533	39 668 459	3 731 033	3 366 634	3 420 517	2 923 328	3 165 743
40	Transfers	37 406 594	31 080 326	3 120 228	2 654 298	2 662 644	2 055 240	2 262 272
41	<u>Total gross deliveries</u>	76 958 127	70 748 785	6 851 261	6 020 932	6 083 161	4 978 568	5 428 015
42	Pipe line fuel and use	12 224	10 546	1 209	1 085	1 040	851	576
43	Line losses and unaccounted for	- 36 467	3 361	3 312	- 18 009	2 870	- 1 482	- 4 978
44	Inventory changes	- 136 704	293 625	- 45 695	19 148	- 18 210	19 308	- 16 436
45	Other changes	—	—	—	—	—	—	—
46	Deliveries to other carriers, United States	—	—	—	—	—	—	—
47	<u>Total disposition</u>	76 797 180	71 056 317	6 810 087	6 023 156	6 068 861	4 997 245	5 407 177
48	<u>Total net deliveries - All commodities</u> ..	140 671 763	139 058 451	12 373 635	11 380 002	11 675 596	10 126 597	10 649 878

(1) Source: Table 2.

(2) Source: Table 2, footnotes 1 and 2.

(3) Source: Table 3.

(4) Source: Table 2, footnotes 4 and 5.

TABLE 5. Oil Pipe Line Mileage by Company, Province and Size of Pipe in Service, as at December 31, 1978

Gathering Lines								
No.	Company	Province	Diameter of pipe in inches — Diamètre des conduites en pouces					
			0-2.9	3-3.9	4-4.9	5-5.9	6-8.9	9-10.9
miles — milles								
1	B.P. Canada Ltd.	Alberta	—	—	13.0	—	10.0	—
2	Blueberry Taylor Pipelines	British Columbia	—	12.1	17.4	—	2.0	—
3	Bow River Pipe Lines Ltd.	Alberta	0.4	10.9	127.9	—	67.5	—
4	C.D.C. Oil and Gas Limited	British Columbia	—	—	8.9	—	3.3	—
5	Dome Petroleum Limited (Co-Ed Pipeline Section)	Alberta	—	52.2	30.3	—	55.4	—
6	Federated Pipe Lines Ltd.	"	—	6.9	116.0	—	149.8	24.7
7	Gibson Petroleum Company Limited	"	—	23.3	10.3	—	1.8	—
8	Green River Exploration Company Limited	"	0.9	0.5	0.5	—	5.9	1.6
9	Gulf Oil Canada Limited	"	20.0	14.0	48.0	—	86.0	—
10	Home Oil Company Limited: Cremona Pipeline Division	Alberta	4.2	56.8	74.5	—	8.6	—
11	Hudson's Bay Oil and Gas Company Limited: Rangeland Pipe Line Division	"	19.0	117.0	257.0	—	77.0	—
12	Husky Pipeline Ltd.	"	15.3	26.5	11.6	—	39.8	—
13	.....	Saskatchewan	20.3	55.2	25.5	—	72.8	—
14	The Imperial Pipe Line Company Limited	Alberta	4.3	13.3	24.9	—	130.3	4.5
15	Key Pipe Line Co. Ltd.	Saskatchewan	2.0	4.7	1.8	—	8.2	—
16	Norcen Pipelines Ltd.	British Columbia	—	24.5	108.4	—	146.9	—
17	.....	Alberta	—	—	9.0	—	—	—
18	.....	Saskatchewan	—	—	56.8	—	74.2	8.5
19	.....	Manitoba	—	45.9	57.8	—	44.7	—
20	Peace River Oil Pipe Line Co. Ltd.	Alberta	9.9	24.2	102.0	—	8.2	23.8
21	Pembina Pipe Line Ltd.	"	0.2	202.4	244.6	—	195.9	29.5
22	Producers Pipelines Ltd.	Saskatchewan	0.4	87.8	576.1	—	357.4	—
23	Rainbow Pipe Line Company Ltd.	Alberta	—	4.6	64.0	—	123.0	1.0
24	South Saskatchewan Pipe Line Company	Saskatchewan	—	2.2	46.0	—	62.8	9.4
25	Texaco Exploration Canada Ltd.: Pipe Line Dept.	Alberta	0.2	3.4	5.4	—	28.4	2.8
26	Trans Mountain Oil Pipe Line Company	"	—	—	4.6	—	—	—
27	Westpur Pipe Line Company	Saskatchewan	—	0.3	37.3	—	68.4	1.6
28	<u>Total gathering lines</u>	British Columbia	—	36.6	134.7	—	152.2	—
29	.....	Alberta	74.4	556.0	1,143.6	—	987.6	87.9
30	.....	Saskatchewan	22.7	150.2	743.5	—	643.8	19.5
31	.....	Manitoba	—	45.9	57.8	—	44.7	—
32	.....	Canada	97.1	788.7	2,079.6	—	1,828.3	107.4
33	<u>Total gathering pipe lines of producing companies</u> ...	British Columbia	21.8	88.5	18.3	—	11.5	13.0
34	.....	Alberta	225.3	632.0	306.4	10.6	649.1	144.9
35	.....	Saskatchewan	137.8	98.8	46.1	9.0	49.9	5.0
36	.....	Manitoba	1.0	49.0	2.0	—	—	—
37	.....	Ontario	0.8	—	—	—	—	—
38	.....	Canada	386.7	868.3	372.8	19.6	710.5	162.9

TABLEAU 5. Longueur en milles des conduites de pétrole, par société, par province et par diamètre de conduite en service, au 31 décembre 1978

Diameter of pipe in inches — Diamètre des conduites en pouces				Total	Province	Compagnie	N ^o
11-12.9	13-16.9	17-18.9	19 and over — et plus				
miles - milles							
—	—	—	—	23.0	Alberta	B.P. Canada Ltd.	1
—	—	—	—	31.5	Colombie-Britannique	Blueberry Taylor Pipelines	2
—	—	—	—	206.7	Alberta	Bow River Pipe Lines Ltd.	3
—	—	—	—	12.2	Colombie-Britannique	C.D.C. Oil and Gas Limited	4
—	—	—	—	137.9	Alberta	Dome Petroleum Limited (Co-Ed Pipeline Section)	5
—	19.2	—	—	316.6	"	Federated Pipe Lines Ltd.	6
—	0.8	—	—	37.0	"	Gibson Petroleum Company Limited	7
0.5	—	—	0.8	9.9	"	Green River Exploration Company Limited	8
—	—	—	—	168.0	"	Gulf Oil Canada Limited	9
—	—	—	—	144.1	Alberta	Home Oil Company Limited: Cremona Pipeline Division	10
—	—	—	—	470.0	"	Hudson's Bay Oil and Gas Company Limited: Rangeland Pipe Line Division	11
—	0.9	—	—	94.1	"	Husky Pipeline Ltd.	12
—	1.2	—	—	175.0	Saskatchewan	.....	13
29.6	2.1	—	2.9	211.9	Alberta	The Imperial Pipe Line Company Limited	14
39.1	—	—	—	16.7	Saskatchewan	Key Pipe Line Co. Ltd.	15
—	—	—	—	318.9	Colombie-Britannique	Norcen Pipelines Ltd.	16
2.4	—	—	—	9.0	Alberta	.....	17
—	—	—	—	141.9	Saskatchewan	.....	18
—	—	—	—	148.4	Manitoba	.....	19
—	4.7	—	—	172.8	Alberta	Peace River Oil Pipe Line Co. Ltd.	20
17.5	5.5	—	—	695.6	"	Pemba Pipe Line Ltd.	21
—	—	—	—	1,021.7	Saskatchewan	Producers Pipelines Ltd.	22
—	—	—	—	192.6	Alberta	Rainbow Pipe Line Company Ltd.	23
87.8	—	—	—	208.2	Saskatchewan	South Saskatchewan Pipe Line Company	24
—	0.4	—	—	40.6	Alberta	Texaco Exploration Canada Ltd.: Pipe Line Dept.	25
—	—	—	—	4.6	"	Trans Mountain Oil Pipe Line Company	26
1.2	—	—	—	108.8	Saskatchewan	Westpur Pipe Line Company	27
39.1	—	—	—	362.6	Colombie-Britannique	<u>Total, conduites secondaires</u>	28
47.6	33.6	—	3.7	2,934.4	Alberta	.....	29
91.4	1.2	—	—	1,672.3	Saskatchewan	.....	30
—	—	—	—	148.4	Manitoba	.....	31
178.1	34.8	—	3.7	5,117.7	Canada	.....	32
—	—	—	—	153.1	Colombie-Britannique	<u>Total des conduites de compagnies productrices</u> ..	33
24.9	26.8	—	—	2,020.0	Alberta	.....	34
1.0	10.5	—	—	358.1	Saskatchewan	.....	35
—	—	—	—	52.0	Manitoba	.....	36
—	—	—	—	0.8	Ontario	.....	37
25.9	37.3	—	—	2,584.0	Canada	.....	38

TABLE 5. Oil Pipe Line Mileage by Company, Province and Size of Pipe in Service, as at December 31, 1978 - Concluded

Gathering Lines

No.	Company	Province	Diameter of pipe in inches - Diamètre des conduites en pouces					
			0-2.9	3-3.9	4-4.9	5-5.9	6-8.9	9-10.9
			kilometres - kilomètres					
1	B.P. Canada Ltd.	Alberta	—	—	20.9	—	16.1	—
2	Blueberry Taylor Pipelines	British Columbia	—	19.5	28.0	—	3.2	—
3	Bow River Pipe Lines Ltd.	Alberta	0.6	17.5	205.8	—	108.6	—
4	C.D.C. Oil and Gas Limited	British Columbia	—	—	14.3	—	5.3	—
5	Dome Petroleum Limited (Co-Ed Pipeline Section)	Alberta	—	84.0	48.8	—	89.2	—
6	Federated Pipe Lines Ltd.	"	—	11.1	186.7	—	241.1	39.8
7	Gibson Petroleum Company Limited	"	—	37.5	16.6	—	2.9	—
8	Green River Exploration Company Limited	"	1.4	0.8	0.8	—	9.5	2.6
9	Gulf Oil Canada Limited	"	32.2	22.5	77.2	—	138.4	—
10	Home Oil Company Limited: Cremona Pipeline Division	Alberta	6.8	91.4	119.9	—	13.8	—
11	Hudson's Bay Oil and Gas Company Limited: Rangeland Pipe Line Division	"	30.6	188.3	413.6	—	123.9	—
12	Husky Pipeline Ltd.	"	24.6	42.6	18.7	—	64.1	—
13	.....	Saskatchewan	32.7	88.8	41.0	—	117.2	—
14	The Imperial Pipe Line Company Limited	Alberta	6.9	21.4	40.1	—	209.7	7.2
15	Key Pipe Line Co. Ltd.	Saskatchewan	3.2	7.6	2.9	—	13.2	—
16	Norcen Pipelines Ltd.	British Columbia	—	39.4	174.5	—	236.4	—
20	.....	Alberta	—	—	14.5	—	—	—
21	.....	Saskatchewan	—	—	91.4	—	119.4	13.7
22	.....	Manitoba	—	73.9	93.0	—	71.9	—
23	.....	Alberta	15.9	38.9	164.2	—	13.2	38.3
24	Peace River Oil Pipe Line Co. Ltd.	Alberta	0.3	325.7	393.6	—	315.3	47.5
25	Pembina Pipe Line Ltd.	Saskatchewan	0.6	141.3	927.1	—	575.2	—
26	Producers Pipelines Ltd.	Alberta	—	7.4	103.0	—	197.9	1.6
27	Rainbow Pipe Line Company Ltd.	Saskatchewan	—	3.5	74.0	—	101.1	15.1
28	South Saskatchewan Pipe Line Company	Saskatchewan	—	—	—	—	—	—
29	Texaco Exploration Canada Ltd.: Pipe Line Dept.	Alberta	0.3	5.5	8.7	—	45.7	4.5
30	Trans Mountain Oil Pipe Line Company	"	—	—	7.4	—	—	—
31	Westspur Pipe Line Company	Saskatchewan	—	0.5	60.0	—	110.1	2.6
32	<u>Total gathering lines</u>	British Columbia	—	58.9	216.8	—	244.9	—
33	.....	Alberta	119.6	894.6	1 840.5	—	1 589.4	141.5
34	.....	Saskatchewan	36.5	241.7	1 196.4	—	1 036.2	31.4
35	.....	Manitoba	—	73.9	93.0	—	71.9	—
36	.....	Canada	156.1	1 269.1	3 346.7	—	2 942.4	172.9
37	<u>Total gathering pipe lines of producing companies</u> ...	British Columbia	35.1	142.4	29.5	—	18.5	20.9
38	.....	Alberta	362.6	1 017.1	493.1	17.1	1 044.6	233.2
39	.....	Saskatchewan	221.8	159.0	74.2	14.5	80.3	8.0
40	.....	Manitoba	1.6	78.9	3.2	—	—	—
41	.....	Ontario	1.3	—	—	—	—	—
42	.....	Canada	622.4	1 397.4	600.0	31.6	1 143.4	262.1

TABLEAU 5. Longueur en milles des conduites de pétrole, par société, par province et par diamètre de conduite en service, au 31 décembre 1978 - fin

Diameter of pipe in inches — Diamètre des conduites en pouces				Total	Province	Compagnie	N ^o
11-12.9	13-16.9	17-18.9	19 and over — et plus				
kilometres — kilomètres							
—	—	—	—	37.0	Alberta	B.P. Canada Ltd.	1
—	—	—	—	50.7	Colombie-Britannique	Blueberry Taylor Pipelines	2
—	—	—	—	332.5	Alberta	Bow River Pipe Lines Ltd.	3
—	—	—	—	19.6	Colombie-Britannique	C.D.C. Oil and Gas Limited	4
—	—	—	—	222.0	Alberta	Dome Petroleum Limited (Co-Ed Pipeline Section)	5
—	30.9	—	—	509.6	"	Federated Pipe Lines Ltd.	6
—	1.3	—	—	59.6	"	Gibson Petroleum Company Limited	7
0.8	—	—	1.3	15.9	"	Green River Exploration Company Limited	8
—	—	—	—	270.3	"	Gulf Oil Canada Limited	9
—	—	—	—	231.9	Alberta	Home Oil Company Limited: Cremona Pipeline Division	10
—	—	—	—	756.4	"	Hudson's Bay Oil and Gas Company Limited: Rangeland Pipe Line Division	11
—	1.4	—	—	151.4	"	Husky Pipeline Ltd.	12
—	1.9	—	—	281.6	Saskatchewan		13
47.6	3.4	—	4.7	341.0	Alberta	The Imperial Pipe Line Company Limited	14
62.9	—	—	—	26.9	Saskatchewan	Key Pipe Line Co. Ltd.	15
—	—	—	—	513.2	Colombie-Britannique	Norcen Pipelines Ltd.	16
3.9	—	—	—	14.5	Alberta		17
—	—	—	—	228.4	Saskatchewan		18
—	—	—	—	238.8	Manitoba		19
—	7.6	—	—	278.1	Alberta	Peace River Oil Pipe Line Co. Ltd.	20
28.2	8.9	—	—	1 119.5	Alberta	Pembina Pipe Line Ltd.	21
—	—	—	—	1 644.2	Saskatchewan	Producers Pipelines Ltd.	22
—	—	—	—	309.9	Alberta	Rainbow Pipe Line Company Ltd.	23
141.3	—	—	—	335.0	Saskatchewan	South Saskatchewan Pipe Line Company	24
—	0.6	—	—	65.3	Alberta	Texaco Exploration Canada Ltd.: Pipe Line Dept.	25
—	—	—	—	7.4	"	Trans Mountain Oil Pipe Line Company	26
1.9	—	—	—	175.1	Saskatchewan	Westspur Pipe Line Company	27
62.9	—	—	—	583.5	Colombie-Britannique	<u>Total, conduites secondaires</u>	28
76.6	54.1	—	6.0	4 722.3	Alberta		29
147.1	1.9	—	—	2 691.2	Saskatchewan		30
—	—	—	—	238.8	Manitoba		31
286.6	56.0	—	6.0	8 235.8	Canada		32
—	—	—	—	246.4	Colombie-Britannique	<u>Total des conduites de compagnies productrices</u> ..	33
40.1	43.1	—	—	3 250.9	Alberta		34
1.6	16.9	—	—	576.3	Saskatchewan		35
—	—	—	—	83.7	Manitoba		36
—	—	—	—	1.3	Ontario		37
41.7	60.0	—	—	4 158.6	Canada		38

TABLE 5A. Oil Pipe Line Mileage and Rated Capacity, by Company, Province and Size of Pipe in Service, as at December 31, 1978

Trunk Lines

No.	Company	Province	Rated capacity Capacité nominale	Diameter of pipe in inches Diamètre des conduites en pouces			
				0-5.9	6-8.9	9-10.9	11-12.9
			barrels per day — barils par jour	miles — milles			
1	Alberta Oil Sands Pipeline Ltd.	Alberta	283,500	—	—	—	—
2	Aurora Pipe Line Company	"	56,000	—	—	0.5	0.5
3	B.P. Canada Ltd.	"	7,500	—	46.0	—	—
4	Blueberry Taylor Pipelines	British Columbia	26,300	—	62.5	—	2.2
5	Bow River Pipe Lines Limited(1)	Alberta	75,000	—	94.4	218.9	40.4
6	Dome Kerrobert Pipeline Ltd.	Saskatchewan	25,000	—	93.5	—	—
7		Alberta	25,000	—	0.5	—	—
8	Dome Petroleum Limited (Co-Ed Pipeline Section)(2)	"	112,000	—	204.5	116.3	1.1
9	Federated Pipe Lines Ltd.	"	450,000	—	1.9	114.9	8.0
10	Gibson Petroleum Ltd.	"	15,000	—	20.0	—	—
11	Great Canadian Oil Sands Limited	"	68,000	—	—	—	—
12	Gulf Oil Canada Limited	"	97,000	80.0	31.8	57.3	98.9
13		Saskatchewan	18,000	—	77.9	—	—
14	Home Oil Company Limited: Cremona Pipeline Division(3)	Alberta	51,800	26.6	138.3	—	—
15	Hudson's Bay Oil and Gas Company Limited: Rangeland Pipe Line Division(4)	"	309,000	14.0	130.0	—	276.0
16	Husky Pipeline Ltd.	"	100,000	—	144.0	72.0	—
17	Imperial Pipe Line Company Limited	"	28,200	9.0	27.0	—	—
18	Interprovincial Pipe Line Company(5)	"	1,533,000	—	—	—	—
19		Saskatchewan	1,466,000	—	—	—	—
20		Manitoba	1,560,000	—	—	—	—
21		Ontario	470,000	—	—	—	66.2
22		Quebec	350,000	—	—	—	—
23	Montreal Pipe Line Company Limited	Quebec	292,000	—	—	1.7	67.9
24	Manito Pipelines Limited	Saskatchewan	13,000	110.6	10.6	95.7	—
25		Alberta	13,000	7.9	—	7.9	—
26	Peace Pipe Line Ltd.(6)	Alberta	288,000	1.7	308.8	61.2	232.7
27	Pembina Pipe Line Ltd.	"	185,000	9.5	10.6	2.6	—
28	Rainbow Pipe Line Company Ltd.(7)	"	247,000	—	—	—	—
29	Rimbey Pipe Line Company Limited	"	44,000	—	65.0	—	—
30	South Saskatchewan Pipe Line Company	Saskatchewan	83,000	—	2.1	—	—
31	Texaco Exploration Canada Ltd.: Pipe Line Dept.(8)	Alberta	767,000	—	58.6	8.0	25.8
32	Trans Mountain Oil Pipe Line Company(9)	British Columbia	668,000	—	—	—	—
33		Alberta	315,000	—	—	—	—
34	Wascana Pipe Line Ltd.	Saskatchewan	55,000	—	—	—	107.5
35	Westcoast Petroleum Limited: Pipeline Division	British Columbia	79,660	—	—	—	505.0
36	Westspur Pipe Line Company(10)	Saskatchewan	231,500	—	5.2	—	98.3
37		Manitoba	180,000	—	—	—	10.8
38	Winnipeg Pipe Line Company Limited	"	82,000	—	67.0	73.0	—
39	<u>Total</u>	British Columbia	..	—	62.5	—	507.2
40		Alberta	..	148.7	1,281.4	659.6	683.4
41		Saskatchewan	..	110.6	189.3	95.7	205.8
42		Manitoba	..	—	67.0	73.0	10.8
43		Ontario	..	—	—	—	66.2
44		Quebec	..	—	—	1.7	67.9
45	<u>Total trunk lines, crude oil</u>	Canada	..	259.3	1,600.2	830.0	1,541.3

See footnote(s) on page 32.

TABLEAU 5A. Longueur en milles et capacité nominale des conduites de pétrole, par société, par province et par diamètre de conduite en service, au 31 décembre 1978

Conduites principales						Total	Province	Compagnie	No
Diameter of pipe in inches Diamètre des conduites en pouces									
13-16.9	17-18.9	19-20.9	21-25.9	26-29.9	30 and over et plus				
milles - miles									
30.2	-	8.5	270.7	-	-	309.4	Alberta	Alberta Oil Sands Pipeline Ltd.	1
-	-	-	-	-	-	1.0	"	Aurora Pipe Line Company	2
-	-	-	-	-	-	46.0	"	B.P. Canada Ltd.	3
-	-	-	-	-	-	64.7	Colombie-Britannique	Blueberry Taylor Pipelines	4
-	-	-	-	-	-	353.7	Alberta	Bow River Pipe Lines Limited(1)	5
-	-	-	-	-	-	93.5	Saskatchewan	Dome Kerrobert Pipeline Ltd.	6
-	-	-	-	-	-	0.5	Alberta	Great Canadian Oil Sands Limited	7
1.1	-	-	-	-	-	323.0	"	Dome Petroleum Limited (Co-Ed Pipeline Section)(2)	8
222.5	-	3.2	-	-	-	350.5	"	Federated Pipe Lines Ltd.	9
-	-	-	-	-	-	20.0	"	Gibson Petroleum Ltd.	10
266.9	-	-	-	-	-	266.9	"	Great Canadian Oil Sands Limited	11
-	-	-	-	-	-	268.0	"	Gulf Oil Canada Limited	12
-	-	-	-	-	-	77.9	Saskatchewan	Home Oil Company Limited: Cremona Pipeline Division(3)	13
-	-	-	-	-	-	164.9	Alberta	Hudson's Bay Oil and Gas Company Limited: Rangeland Pipe Line Division(4)	14
30.0	-	-	-	-	-	450.0	"	Husky Pipeline Ltd.	15
-	-	-	-	-	-	216.0	"	Imperial Pipe Line Company Limited	16
-	-	170.8	170.9	-	210.0	551.7	"	Interprovincial Pipe Line Company(5)	17
154.1	28.0	268.2	416.4	-	527.1	1,393.8	Saskatchewan	Manitoba	18
243.2	10.7	-	185.0	1.6	260.8	701.3	Manitoba	Manitoba	19
26.3	-	360.8	0.2	-	462.9	916.4	Ontario	Manitoba	20
-	-	-	-	-	68.6	68.6	Québec	Manitoba	21
1.5	70.6	-	70.9	-	-	212.6	Québec	Montreal Pipe Line Company Limited	22
-	-	-	-	-	-	216.9	Saskatchewan	Manito Pipelines Limited	23
-	-	-	-	-	-	15.8	Alberta	Manito Pipelines Limited	24
44.9	-	170.8	-	-	-	820.1	Alberta	Peace Pipe Line Ltd.(6)	25
100.8	-	-	-	-	-	123.5	"	Pembina Pipe Line Ltd.	26
-	-	293.9	184.3	-	-	478.2	"	Rainbow Pipe Lines Company Ltd.(7)	27
-	-	-	-	-	-	65.0	"	Rimbe Pipe Line Company Limited	28
157.9	-	-	-	-	-	160.0	Saskatchewan	South Saskatchewan Pipe Line Company	29
49.3	-	-	-	-	-	141.7	Alberta	Texaco Exploration Canada Ltd.: Pipe Line Dept.(8)	30
-	-	-	469.9	-	51.0	520.9	Colombie-Britannique	Trans Mountain Oil Line Company(9)	31
-	-	-	253.1	-	51.0	304.1	Alberta	Trans Mountain Oil Line Company(9)	32
-	-	-	-	-	-	107.5	Saskatchewan	Wascana Pipe Line Ltd.	33
-	-	-	-	-	-	505.0	Colombie-Britannique	Westcoast Petroleum Limited: Pipeline Division	34
64.5	-	-	-	-	-	168.0	Saskatchewan	Westspur Pipe Line Company(10)	35
10.8	-	-	-	-	-	21.6	Manitoba	Westspur Pipe Line Company(10)	36
-	-	-	-	-	-	140.0	"	Winnipeg Pipe Line Company Limited	37
-	-	-	469.9	-	51.0	1,090.6	Colombie-Britannique	<u>Total</u>	38
745.7	-	647.2	879.0	-	261.0	5,306.0	Alberta	<u>Total</u>	39
376.5	28.0	268.2	416.4	-	527.1	2,217.6	Saskatchewan	<u>Total</u>	40
254.0	10.7	-	185.0	1.6	260.8	862.9	Manitoba	<u>Total</u>	41
26.3	-	360.8	0.2	-	462.9	916.4	Ontario	<u>Total</u>	42
1.5	70.6	-	70.9	-	68.6	281.2	Québec	<u>Total</u>	43
1,404.0	109.3	1,276.2	2,021.4	1.6	1,631.4	10,674.7	Canada	Total conduites principales, pétrole brut ...	44

Voir note(s) à la page 33.

TABLE 5A. Oil Pipe Line Mileage and Rated Capacity, by Company, Province and Size of Pipe in Service,
as at December 31, 1978 - Continued

Trunk Lines - Continued

No.	Company	Province	Rated capacity Capacité nominale	Diameter of pipe in inches Diamètre des conduites en pouces			
				0-5.9	6-8.9	9-10.9	11-12.9
			cubic metres per day — mètres cubes par jour	kilometres	kilomètres		
1	Alberta Oil Sands Pipeline Ltd.	Alberta	45 051	—	—	—	—
2	Aurora Pipe Line Company	"	8 899	—	—	8.0	0.8
3	B.P. Canada Ltd.	"	1 192	—	74.0	—	—
4	Blueberry Taylor Pipelines	British Columbia	4 179	—	100.6	—	3.5
5	Bow River Pipe Lines Limited(1)	Alberta	11 918	—	151.9	352.3	65.0
6	Dome Kerrobert Pipeline Ltd.	Saskatchewan	3 973	—	150.5	—	—
7	"	Alberta	3 973	—	0.8	—	—
8	Dome Petroleum Limited (Co-ed Pipeline Section)(2)	"	17 798	—	329.1	187.2	1.8
9	Federated Pipe Lines Ltd.	"	71 510	—	3.1	184.9	12.9
10	Gibson Petroleum Ltd.	"	2 384	—	32.2	—	—
11	Great Canadian Oil Sands Limited	"	10 806	—	—	—	—
12	Gulf Oil Canada Limited	"	15 414	128.7	51.2	92.2	159.2
13	"	Saskatchewan	2 860	—	125.4	—	—
14	Home Oil Company Limited: Cremona Pipeline Division(3)	Alberta	8 232	42.8	222.6	—	—
15	Hudson's Bay Oil and Gas Company Limited: Rangeland Pipe Line Division(4)	"	49 103	22.5	209.2	—	444.2
16	Husky Pipeline Ltd.	"	15 891	—	231.7	115.9	—
17	Imperial Pipe Line Company Limited	"	4 481	14.5	43.5	—	—
18	Interprovincial Pipe Line Company(5)	"	243 609	—	—	—	—
19	"	Saskatchewan	232 962	—	—	—	—
20	"	Manitoba	247 900	—	—	—	—
21	"	Ontario	74 688	—	—	—	106.5
22	"	Quebec	55 619	—	—	—	—
23	Montreal Pipe Line Company Limited	Quebec	46 402	—	—	2.7	109.3
24	Manito Pipelines Limited	Saskatchewan	2 066	178.0	17.1	154.0	—
25	"	Alberta	2 066	12.7	—	12.7	—
26	Peace River Oil Pipe Line Co. Ltd.	Alberta	45 766	2.7	497.0	98.5	374.5
27	Pembina Pipe Line Ltd.	"	29 398	15.3	17.1	4.2	—
28	Rainbow Pipe Line Company Ltd.(7)	"	39 251	—	—	—	—
29	Rimby Pipe Line Company Limited	"	6 992	—	104.6	—	—
30	South Saskatchewan Pipe Line Company	Saskatchewan	13 190	—	3.4	—	—
31	Texaco Exploration Canada Ltd.: Pipe Line Dept.(8)	Alberta	121 884	—	94.3	12.9	41.5
32	Trans Mountain Oil Pipe Line Company(9)	British Columbia	106 152	—	—	—	—
33	"	Alberta	50 057	—	—	—	—
34	Wascana Pipe Line Ltd.	Saskatchewan	8 740	—	—	—	173.0
35	Westcoast Petroleum Limited: Pipeline Division	British Columbia	12 659	—	—	—	812.7
36	Westspur Pipe Line Company(10)	Saskatchewan	36 788	—	8.4	—	158.2
37	"	Manitoba	28 604	—	—	—	17.4
38	Winnipeg Pipe Line Company Limited	"	13 031	—	107.8	117.5	—
39	<u>Total</u>	British Columbia	..	—	100.6	—	816.2
40	"	Alberta	..	239.2	2 062.3	1 061.6	1 099.9
41	"	Saskatchewan	..	178.0	304.8	154.0	331.2
42	"	Manitoba	..	—	107.8	117.5	17.4
43	"	Ontario	..	—	—	—	106.5
44	"	Quebec	..	—	—	2.7	109.3
45	<u>Total trunk lines, crude oil</u>	Canada	..	417.2	2 575.5	1 335.8	2 480.5

TABLEAU 5A. Longueur en milles et capacité nominale des conduites de pétrole, par société, par province et par diamètre de conduite en service, au 31 décembre 1978 - suite

Conduites principales - suite

Diameter of pipe in inches Diamètre des conduites en pouces						Total	Province	Compagnie	N°
13-16.9	17-18.9	19-20.9	21-25.9	26-29.9	30 and over et plus				
kilometres - kilomètres									
48.6	-	13.7	435.6	-	-	497.9	Alberta	Alberta Oil Sands Pipeline Ltd.	1
-	-	-	-	-	-	1.6	"	Aurora Pipe Line Company	2
-	-	-	-	-	-	74.0	"	B.P. Canada Ltd.	3
-	-	-	-	-	-	104.1	Colombie-Britannique	Blueberry Taylor Pipelines	4
-	-	-	-	-	-	569.2	Alberta	Bow River Pipe Lines Limited(1)	5
-	-	-	-	-	-	150.5	Saskatchewan	Dom Kerrobert Pipeline Ltd.	6
-	-	-	-	-	-	0.8	Alberta	"	7
1.8	-	-	-	-	-	519.9	"	Dome Petroleum Limited (Co-Ed Pipeline Section)(2)	8
358.1	-	5.1	-	-	-	564.1	"	Federated Pipe Lines Ltd.	9
-	-	-	-	-	-	32.2	"	Gibson Petroleum Ltd.	10
429.5	-	-	-	-	-	429.5	"	Great Canadian Oil Sands Limited	11
-	-	-	-	-	-	431.3	"	Gulf Oil Canada Limited	12
-	-	-	-	-	-	125.4	Saskatchewan	"	13
-	-	-	-	-	-	265.4	Alberta	Home Oil Company Limited: Cremona Pipeline Division(3)	14
48.3	-	-	-	-	-	724.2	"	Hudson's Bay Oil and Gas Company Limited: Rangeland Pipe Line Division(4)	15
-	-	-	-	-	-	347.6	"	Husky Pipeline Ltd.	16
-	-	-	-	-	-	58.0	"	Imperial Pipe Line Company Limited	17
-	-	274.9	275.0	-	338.0	887.9	"	Interprovincial Pipe Line Company(5)	18
248.0	45.1	431.6	670.1	-	848.3	2 243.1	Saskatchewan	"	19
391.4	17.2	-	297.7	2.6	419.7	1 128.6	Manitoba	"	20
42.3	-	580.7	0.3	-	745.0	1 474.8	Ontario	"	21
-	-	-	-	-	110.4	110.4	Québec	"	22
2.4	113.6	-	114.1	-	-	342.1	Québec	Montreal Pipe Line Company Limited	23
-	-	-	-	-	-	349.1	Saskatchewan	Manito Pipelines Limited	24
-	-	-	-	-	-	25.4	Alberta	"	25
72.3	-	274.9	-	-	-	1 319.9	Alberta	Peace River Oil Pipe Line Co. Ltd.(6)	26
162.2	-	-	-	-	-	198.8	"	Pembina Pipe Line Ltd.	27
-	-	473.0	296.6	-	-	769.6	"	Rainbow Pipe Lines Company Ltd.(7)	28
-	-	-	-	-	-	104.6	"	Rimbeey Pipe Line Company Limited	29
254.1	-	-	-	-	-	257.5	Saskatchewan	South Saskatchewan Pipe Line Company	30
79.3	-	-	-	-	-	228.0	Alberta	Texaco Exploration Canada Ltd.: Pipe Line Dept.(8)	31
-	-	-	756.2	-	82.1	838.3	Colombie-Britannique	Trans Mountain Oil Line Company(9)	32
-	-	-	407.3	-	82.1	489.4	Alberta	"	33
-	-	-	-	-	-	173.0	Saskatchewan	Wascana Pipe Line Ltd.	34
-	-	-	-	-	-	812.7	Colombie-Britannique	Westcoast Petroleum Limited: Pipeline Division	35
103.8	-	-	-	-	-	270.4	Saskatchewan	Westapur Pipe Line Company(10)	36
17.4	-	-	-	-	-	34.8	Manitoba	"	37
-	-	-	-	-	-	225.3	"	Winnipeg Pipe Line Company Limited	38
-	-	-	756.2	-	82.1	1 755.1	Colombie-Britannique	Total	39
1 200.1	-	1 041.6	1 414.5	-	420.1	8 539.3	Alberta	"	40
605.9	45.1	431.6	670.1	-	848.3	3 569.0	Saskatchewan	"	41
408.8	17.2	-	297.7	2.6	419.7	1 388.7	Manitoba	"	42
42.3	-	580.7	0.3	-	745.0	1 474.8	Ontario	"	43
2.4	113.5	-	114.1	-	110.4	452.5	Québec	"	44
2 259.5	175.9	2 053.9	3 252.9	2.6	2 625.6	17 179.4	Canada	Total conduites principales, pétrole brut ...	45

TABLE 5A. Oil Pipe Line Mileage and Rated Capacity, by Company, Province and Size of Pipe in Service, as at December 31, 1978 - Continued

Trunk Lines - Continued

No.	Company	Province	Rated capacity — Capacité nominale	Diameter of pipe in inches — Diamètre des conduites en pouces				
				0-5.9	6-8.9	9-10.9	11-12.9	13-16.9
			barrels per day	miles — milles				
	Products lines:							
1	Alberta Products Pipeline Limited	Alberta	61,600	—	—	203.4	—	—
2	Green River Exploration Co.	"	33,600	29.7	1.4	0.4	1.3	2.7
3	Cochin Pipe Lines Ltd.	"	56,000	—	—	—	171.9	—
4		Saskatchewan	56,000	—	—	—	449.3	—
5		Ontario	2,000	—	—	—	1.5	—
6	Dome N.G. L.	"	50,000	—	28.9	0.6	84.3	—
	Imperial Oil Enterprises Ltd.:							
7	Quebec South Shore Pipe Line Division	Quebec	34,000	—	50.0	12.0	—	—
8	Sarnia Products Pipe Line Division	Ontario	100,000	—	54.3	18.2	170.9	—
9	Nisku Products Pipe Line Company Limited	Alberta	62,550	93.8	15.0	—	—	—
10	Petroleum Transmission Company	"	13,400	—	1.1	—	—	—
11		Saskatchewan	13,400	—	384.0	—	—	—
12		Manitoba	12,900	—	194.5	—	—	—
13	Sun-Canadian Pipe Line Company Ltd.	Ontario	132,000	—	212.0	—	188.0	—
14	Sun Pipe Line Company	"	18,000	—	2.2	—	—	—
15	Trans-Northern Pipe Line Company(11)	"	582,000	—	5.7	354.4	38.0	37.0
16		Quebec	171,000	—	—	63.0	13.2	16.0
17	Yukon Pipelines Limited	Yukon	3,300	55.5	—	—	—	—
18		British Columbia	3,300	35.0	—	—	—	—
19	<u>Total</u>	Yukon	..	55.5	—	—	—	—
20		British Columbia	..	35.0	—	—	—	—
21		Alberta	..	123.5	17.5	203.8	173.2	2.7
22		Saskatchewan	..	—	384.0	—	449.3	—
23		Manitoba	..	—	194.5	—	—	—
24		Ontario	..	—	303.1	373.2	482.7	37.0
25		Quebec	..	—	50.0	75.0	13.2	16.0
26	<u>Total products lines</u>	Canada	..	214.0	949.1	652.0	1,118.4	55.7
27	<u>Total trunk lines</u>	Canada	..	473.3	2,549.3	1,482.0	2,659.7	1,459.7
28	<u>Grand total (gathering and trunk lines) by province.</u>	Yukon	..	55.5	—	—	—	—
29		British Columbia	..	334.9	226.2	13.0	546.3	—
30		Alberta	..	3,220.5	2,935.6	1,096.2	929.1	808.8
31		Saskatchewan	..	1,318.7	1,267.0	120.2	747.5	388.2
32		Manitoba	..	155.7	306.2	73.0	10.8	254.0
33		Ontario	..	0.8	303.1	373.2	548.9	63.3
34		Quebec	..	—	50.0	76.7	81.1	17.5
35		Canada	..	5,086.1	5,088.1	1,752.3	2,863.7	1,531.8

- (1) Bow River Pipelines Ltd., rated capacity: Wretham to Fincastle 10,000, Fincastle to Tilley 12,000, Tilley to Pollockville 38,500, Pollockville to Throne 38,500, Throne to Hardisty 44,000.
- (2) Dome Petroleum Ltd., rated capacity: Cochrane to Rocky Mountain House 30,000, Rocky Mountain House to Edmonton 82,000.
- (3) Home Oil Co. Ltd., Cremona Pipe Division, rated capacity: crude oil-Elkton to Rangeland 24,000, condensate-Harmattan to Bowden 6,300, Harmattan to Rangeland 21,500.
- (4) Hudson's Bay Oil and Gas Co. Ltd., Rangeland Pipe Line Division, rated capacity: Sundre to Rimbey 70,000, Sundre to Dick Lake 28,000, Pincher Creek to Carway 30,000, Sundre to Pincher Creek 93,000, Pincher Creek to Carway 88,000.
- (5) Interprovincial Pipe Line Company, rated capacity: Edmonton to Regina 1,533,000, Regina to Cromer 1,466,000, Cromer to Gretna 1,560,000, Gretna to Clarebrook 1,560,000, Clarebrook to Superior 1,560,000, Superior to Sarnia 555,000, Superior to Griffith 740,000, Griffith to Sarnia 710,000, Sarnia to Port Credit 470,000, Westover to Buffalo 160,000, Sarnia to Montreal 350,000.
- (6) Peace Pipe Line Ltd., rated capacity: Valleyview to Fox Creek 70,000, Red Earth to Valleyview 70,000, Fox Creek to Edmonton 238,000 Fox Creek to Edison 50,000.
- (7) Rainbow Pipe Line Company Ltd., rated capacity, Zama to Rainbow 60,000, Rainbow to Utikuma 181,000, Utikuma to Edmonton 247,000.
- (8) Texaco Exploration Company, Pipe Line Company, rated capacity: Rimbey to Mameo 14,000, Mameo to Pigion Lake 47,000, Pigion Lake to Bonnie Glen 95,000, Bonnie Glen to Wizard Lake 152,000, Wizard Lake to Leduc 227,000, Leduc to Edmonton 232,000.
- (9) Trans Mountain Oil Pipe Line Company Ltd., rated capacity: Edmonton to Edison 315,000, Edison to Kamloops 293,000, Kamloops to Sumas 375,000.
- (10) Westspur Pipe Line Company, rated capacity: Midale to Steelman 84,000, Steelman to Alida 135,000, Alida to Cramer 180,000, Pinto to U.S. Border 12,500.
- (11) Trans-Northern Pipe Line Company, rated capacity: Montreal to Farran's Point 67,000, Montreal to Dorval and Mirabel 52,300, Farran's Point to Ottawa 82,000, Nanticoke, Oakville, Clarkson and North Toronto to Farran's Point 38,000, Nanticoke to Hamilton 120,000, Nanticoke, Oakville, Clarkson to Port Credit, Toronto Airport, North Toronto and Toronto Harbour 76,000.

TABLEAU 5A. Longueur en milles et capacité nominale des conduites de pétrole, par société, par province et par diamètre de conduite en service, au 31 décembre 1978 - suite

Conduites principales - suite

Diameter of pipe in inches Diamètre des conduites en pouces					Total	Province	Compagnie	No
17-18.9	19-20.9	21-25.9	26-29.9	30 and over — et plus				
miles - milles								
							Conduites des produits raffinés:	
—	—	—	—	—	203.4	Alberta	Alberta Products Pipeline Limited	1
0.8	7.2	1.0	—	—	44.5	"	Green River Exploration Co.	2
—	—	—	—	—	171.9	"	Cochin Pipe Lines Ltd.	3
—	—	—	—	—	449.3	Saskatchewan	"	4
—	—	—	—	—	1.5	Ontario	"	5
—	—	—	—	—	113.8	"	Dome N.G. L.	6
—	—	—	—	—	62.0	Quebec	Imperial Oil Enterprises Ltd.: Quebec South Shore Pipe Line Division	7
—	—	—	—	—	243.4	Ontario	Sarnia Products Pipe Line Division	8
—	—	—	—	—	108.8	Alberta	Nisku Products Pipe Line Company Limited	9
—	—	—	—	—	1.1	"	Petroleum Transmission Company	10
—	—	—	—	—	384.0	Saskatchewan	"	11
—	—	—	—	—	194.5	Manitoba	"	12
—	—	—	—	—	400.0	Ontario	Sun-Canadian Pipe Line Company Ltd.	13
—	—	—	—	—	2.2	"	Sun Pipe Line Company	14
—	13.5	—	—	—	448.6	"	Trans-Northern Pipe Line Company(11)	15
—	—	—	—	—	92.2	Québec	"	16
—	—	—	—	—	55.5	Yukon	Yukon Pipelines Limited	17
—	—	—	—	—	35.0	Colombie-Britannique	"	18
—	—	—	—	—	55.5	Yukon	<u>Total</u>	19
—	—	—	—	—	35.0	Colombie-Britannique	"	20
0.8	7.2	1.0	—	—	529.7	Alberta	"	21
—	—	—	—	—	833.3	Saskatchewan	"	22
—	—	—	—	—	194.5	Manitoba	"	23
—	13.5	—	—	—	1,209.5	Ontario	"	24
—	—	—	—	—	154.2	Québec	"	25
0.8	20.7	1.0	—	—	3,011.7	Canada	<u>Total, conduites des produits raffinés</u>	26
110.1	1,296.9	2,022.4	1.6	1,631.4	13,686.4	Canada	<u>Total, conduites principales</u>	27
—	—	—	—	—	55.5	Yukon	<u>Total général (conduites principales et secondaires) par provinces.</u>	28
—	—	469.9	—	51.0	1,641.3	Colombie-Britannique	"	29
0.8	658.1	880.0	—	261.0	10,790.1	Alberta	"	30
28.0	268.2	416.4	—	527.1	5,081.3	Saskatchewan	"	31
10.7	—	185.0	1.6	260.8	1,257.8	Manitoba	"	32
—	374.3	0.2	—	462.9	2,126.7	Ontario	"	33
70.6	—	70.9	—	68.6	435.4	Québec	"	34
110.1	1,300.6	2,022.4	1.6	1,631.4	21,388.1	Canada	"	35

(1) Bow River Pipe Lines Limited, capacité nominale: Wrentham à Fincastle 10,000, Fincastle à Tilley 12,000, Tilley à Pollockville 38,500, Pollockville à Throne 38,500, Throne à Hardisty 44,000.

(2) Dome Petroleum Ltd., capacité nominale: Cochrane à Rocky Mountain House 30,000, Rocky Mountain House à Edmonton 82,000.

(3) Home Oil Co. Ltd., Cremona Pipe Division, capacité nominale: pétrole brut-Elkton à Rangeland 24,000, condensat-Harmattan à Bowden 6,300, Harmattan à Rangeland 21,500.

(4) Hudson's Bay Oil and Gas Co. Ltd., Rangeland Pipe Line Division, capacité nominale: Sundre à Rimby 70,000, Sundre à Dick Lake 28,000, Pincher Creek à Carway 30,000, Sundre à Pincher Creek 93,000, Pincher Creek à Carway 88,000.

(5) Interprovincial Pipe Line Company, capacité nominale: Edmonton à Regina 1,533,000, Regina à Cromer 1,466,000, Cromer à Gretna 1,560,000, Gretna à Clarebrook 1,560,000, Clarebrook à Superior 1,560,000, Superior à Sarnia 555,000, Superior à Griffith 740,000, Griffith à Sarnia 710,000, Sarnia à Port Credit 470,000, Westover à Buffalo 160,000, Sarnia à Montréal 350,000.

(6) Peace Pipe Line Ltd., capacité nominale: Valleyview à Fox Creek 70,000, Red Earth à Valleyview 70,000, Fox Creek à Edmonton 238,000, Fox Creek à Edson 50,000.

(7) Rainbow Pipe Line Company Ltd., capacité nominale: Zama à Rainbow 60,000, Rainbow à Utikuma 181,000, Utikuma à Edmonton 247,000.

(8) Texaco Exploration Canada Ltd., capacité nominale: Rimby à Mameo 14,000, Mameo à Pigion Lake 47,000, Pigion Lake à Bonnie Glen 95,000, Bonnie Glen à Wizard Lake 152,000, Wizard Lake à Leduc 227,000, Leduc à Edmonton 232,000.

(9) Trans Mountain Oil Pipe Line Company, capacité nominale, Edmonton à Edson 315,000, Edson à Kamloops 293,000, Kamloops à Sumas 375,000.

(10) Westspur Pipe Line Company, capacité nominale, Midale à Steelman 84,000, Steelman à Alida 135,000, Alida à Cramer 180,000, Pinto à U.S. Border 12,500.

(11) Trans-Northern Pipe Line Company, capacité nominale: Montréal à Farran's Point 67,000, Montréal à Dorval et Mirabel 52,000, Farran's Point à Ottawa 82,000, Nanticoke, Oakville, Clarkson et North Toronto à Farran's Point 38,000, Nanticoke à Hamilton 120,000, Nanticoke, Oakville, Clarkson à Port Credit, Toronto Airport, North Toronto et Toronto harbour 76,000.

TABLE 5A. Oil Pipe Line Mileage and Rated Capacity, by Company, Province and Size of Pipe in Service, as at December 31, 1978 - Concluded

Trunk Lines - Concluded

No.	Company	Province	Rated capacity — Capacité nominale	Diameter of pipe in inches Diamètre des conduites en pouces				
				0-5.9	6-8.9	9-10.9	11-12.9	13-16.9
			cubic metres per day — mètres cubes par jour	kilometres — kilomètres				
Products lines:								
1	Alberta Products Pipeline Limited	Alberta	9 789	—	—	327.3	—	—
2	Green River Exploration Co.	"	5 339	47.8	2.3	0.6	2.1	4.3
3	Cochin Pipe Lines Ltd.	"	8 899	—	—	—	276.6	—
4	"	Saskatchewan	8 899	—	—	—	723.1	—
5	"	Ontario	318	—	—	—	2.4	—
6	Dome N.C.L.	"	7 946	—	46.5	1.0	135.7	—
Imperial Oil Enterprises Ltd.:								
7	Quebec South Shore Pipe Line Division	Québec	5 403	—	80.5	19.3	—	—
8	Sarnia Products Pipe Line Division	Ontario	15 891	—	87.4	29.3	275.0	—
9	Nisku Products Pipe Line Company Limited	Alberta	9 940	151.0	24.1	—	—	—
10	Petroleum Transmission Company	"	2 129	—	1.8	—	—	—
11	"	Saskatchewan	2 129	—	618.0	—	—	—
12	"	Manitoba	2 050	—	313.0	—	—	—
13	Sun-Canadian Pipe Linte Company Ltd.	Ontario	20 976	—	341.2	—	302.6	—
14	Sun Pipe Line Company	"	2 860	—	3.5	—	—	—
15	Trans-Northern Pipe Line Company(11)	"	92 486	—	9.2	570.4	61.2	59.5
16	"	Québec	27 174	—	—	101.4	21.2	25.7
17	Yukon Pipelines Limited	Yukon	524	89.3	—	—	—	—
18	"	British Columbia	524	56.3	—	—	—	—
19	<u>Total</u>	Yukon	..	89.3	—	—	—	—
20	"	British Columbia	..	56.3	—	—	—	—
21	"	Alberta	..	198.8	28.2	327.9	278.7	4.3
22	"	Saskatchewan	..	—	618.0	—	723.1	—
23	"	Manitoba	..	—	313.0	—	—	—
24	"	Ontario	..	—	487.8	600.7	776.9	59.5
25	"	Quebec	..	—	80.5	120.7	21.2	25.7
26	<u>Total products lines</u>	Canada	..	344.4	1 527.5	1 049.3	1 799.9	89.5
27	<u>Total trunk lines</u>	Canada	..	761.6	4 103.0	2 385.1	4 280.4	2 349.0
28	<u>Grand total (gathering and trunk lines) by province.</u>	Yukon	..	89.3	—	—	—	—
29	"	British Columbia	..	539.0	364.0	20.9	879.1	—
30	"	Alberta	..	5 182.6	4 724.5	1 764.2	1 495.3	1 301.6
31	"	Saskatchewan	..	2 122.1	2 039.3	193.4	1 203.0	624.7
32	"	Manitoba	..	250.6	492.7	117.5	17.4	408.8
33	"	Ontario	..	1.3	487.8	600.7	883.4	101.8
34	"	Quebec	..	—	80.5	123.4	130.5	28.1
35	"	Canada	..	8 184.9	8 188.8	2 820.1	4 608.7	2 465.0

- (1) Bow River Pipelines Ltd., rated capacity: Wretham to Fincastle 1 589, Fincastle to Tilley 1 907, Tilley to Pollockville 6 118, Pollockville to Throne 6 118, Throne to Hardisty 6 992.
- (2) Dome Petroleum Ltd., rated capacity: Cochrane to Rocky Mountain House 4 767, Rocky Mountain House to Edmonton 13 031.
- (3) Home Oil Co. Ltd., Cremona Pipe Division, rated capacity: crude oil-Elkton to Rangeland 3 814, condensate-Harmattan to Bowden 1 001, Harmattan to Rangeland 3 417.
- (4) Hudson's Bay Oil and Gas Co. Ltd., Rangeland Pipe Line Division, rated capacity: Sundre to Rimbey 11 124, Sundre to Dick Lake 4 449, Pincher Creek to Carway 4 767, Sundre to Pincher Creek 14 779, Pincher Creek to Carway 13 984.
- (5) Interprovincial Pipe Line Company, rated capacity, Edmonton to Regina 243 609, Regina to Cromer 232 962, Cromer to Gretna 247 900, Gretna to Clarebrook 247 900, Clarebrook to Superior 247 900, Superior to Sarnia 88 195, Superior to Griffith 117 593, Griffith to Sarnia 112 826, Sarnia to Port Credit 74 688, Westover to Buffalo 25 426, Sarnia to Montreal 55 619.
- (6) Peace Pipe Line Ltd., rated capacity: Valleyview to Fox Creek 11 124, Red Earth to Valleyview 11 124, Fox Creek to Edmonton 37 821, Fox Creek to Edson 7 946.
- (7) Rainbow Pipe Line Company Ltd., rated capacity, Zama to Rainbow 9 535, Rainbow to Utkuma 28 763, Utkuma to Edmonton 39 251.
- (8) Texaco Exploration Company, Pipe Line Company, rated capacity: Rimbey to Mameo 2 225, Mameo to Pigion Lake 7 469, Pigion Lake to Bonnie Glen 15 096, Bonnie Glen to Wizard Lake 24 154, Wizard Lake to Leduc 36 073, Leduc to Edmonton 36 867.
- (9) Trans Mountain Oil Pipe Line Company Ltd., rated capacity: Edmonton to Edson 50 057, Edson to Kamloops 46 561, Kamloops to Sumas 59 591.
- (10) Westspur Pipe Line Company, rated capacity: Midale to Steelman 13 348, Steelman to Alida 21 453, Alida to Cramer 28 604, Pinto to U.S. Border 1 986.
- (11) Trans-Northern Pipe Line Company, rated capacity: Montreal to Farran's Point 10 647, Montreal to Dorval and Mirabel 8 263, Farran's Point to Ottawa 13 031, Nanticoke, Oakville, Clarkson and North Toronto to Farran's Point 6 039, Nanticoke to Hamilton 19 069, Nanticoke, Oakville, Clarkson to Port Credit, Toronto Airport, North Toronto and Toronto harbour 12 077.

TABLEAU 5A. Longueur en milles et capacité nominale des conduites de pétrole, par société, par province et par diamètre de conduite en service, au 31 décembre 1978 - fin

Diameter of pipe in inches - Diamètre des conduites en pouces					Conduites principales - fin				N°
17-18.9	19-20.9	21-25.9	26-29.9	30 and over - et plus	Total	Province	Compagnie		
kilometres - kilomètres									
-	-	-	-	-	327.3	Alberta	Conduites des produits raffinés:		
1.3	11.6	1.6	-	-	71.6	"	Alberta Products Pipeline Limited	1	
-	-	-	-	-	276.6	"	Green River Exploration Co.	2	
-	-	-	-	-	723.1	Saskatchewan	Cochin Pipe Lines Ltd.	4	
-	-	-	-	-	2.4	Ontario		5	
-	-	-	-	-	183.2	"	Dome N.G.L.	6	
-	-	-	-	-	99.8	Québec	Imperial Oil Enterprises Ltd.:	7	
-	-	-	-	-	391.7	Ontario	Quebec South Shore Pipe Line Division	7	
-	-	-	-	-	175.1	Alberta	Sarnia Products Pipe Line Division	8	
-	-	-	-	-	1.8	"	Nisku Products Pipe Line Company Limited	9	
-	-	-	-	-	618.0	Saskatchewan	Petroleum Transmission Company	10	
-	-	-	-	-	313.0	Manitoba		11	
-	-	-	-	-	643.8	Ontario	Sun-Canadian Pipe Line Company Ltd.	13	
-	-	-	-	-	3.5	"	Sun Pipe Line Company	14	
-	21.7	-	-	-	722.0	"	Trans-Northern Pipe Line Company(11)	15	
-	-	-	-	-	148.3	Québec		16	
-	-	-	-	-	89.3	Yukon	Yukon Pipelines Limited	17	
-	-	-	-	-	56.3	Colombie-Britannique		18	
-	-	-	-	-	89.3	Yukon	<u>Total</u>	19	
-	-	-	-	-	56.3	Colombie-Britannique		20	
1.3	11.6	1.6	-	-	852.4	Alberta		21	
-	-	-	-	-	1 341.1	Saskatchewan		22	
-	-	-	-	-	313.0	Manitoba		23	
-	21.7	-	-	-	1 946.6	Ontario		24	
-	-	-	-	-	248.1	Québec		25	
1.3	33.3	1.6	-	-	4 846.8	Canada	<u>Total, conduites des produits raffinés</u>	26	
177.2	2 087.2	3 254.5	2.6	2 625.6	22 026.2	Canada	<u>Total, conduites principales</u>	27	
-	-	-	-	-	89.3	Yukon	<u>Total général (conduites principales</u> <u>et secondaires) par provinces.</u>	28	
-	-	756.2	-	82.1	2 641.3	Colombie-Britannique		29	
1.3	1 059.2	1 416.1	-	420.1	17 364.9	Alberta		30	
45.1	431.6	670.1	-	848.3	8 177.6	Saskatchewan		31	
17.2	-	297.7	2.6	419.7	2 024.2	Manitoba		32	
-	602.4	0.3	-	745.0	3 422.7	Ontario		33	
113.6	-	114.1	-	110.4	700.6	Québec		34	
177.2	2 093.2	3 254.5	2.6	2 625.6	34 420.6	Canada		35	

- (1) Bow River Pipe Lines Limited, capacité nominale: Wrentham à Fincastle 1 589, Fincastle à Tilley 1 907, Tilley à Pollockville 6 118, Pollockville à Throne 6 119, Throne à Hardisty 6 992.
- (2) Dome Petroleum Ltd., capacité nominale: Cochrane à Rocky Mountain House 4 767, Rocky Mountain House à Edmonton 13 031.
- (3) Home Oil Co. Ltd., Cremona Pipe Division, capacité nominale: pétrole brut-Elkton à Rangeland 3 814, condensat-Harmattan à Bowden 1 001, Harmattan à Rangeland 3 417.
- (4) Hudson's Bay Oil and Gas Co. Ltd., Rangeland Pipe Line Division, capacité nominale: Sundre à Rimby 11 124, Sundre à Dick Lake 4 449, Pincher Creek à Carway 4 767, Sundre à Pincher Creek 14 779, Pincher Creek à Carway 13 984.
- (5) Interprovincial Pipe Line Company, capacité nominale: Edmonton à Regina 243 609, Regina à Cromer 232 962, Cromer à Gretna 247 900, Gretna à Clarebrook 247 900, Clarebrook à Superior 247 900, Superior à Sarnia 88 195, Superior à Griffith 117 593, Griffith à Sarnia 112 826, Sarnia à Port Credit 74 688, Westover à Buffalo 25 426, Sarnia à Montréal 55 619.
- (6) Peace Pipe Line Ltd., capacité nominale: Valleyview à Fox Creek 11 124, Red Earth à Valleyview 11 124, Fox Creek à Edmonton 37 821, Fox Creek à Edson 7 946.
- (7) Rainbow Pipe Line Company Ltd., capacité nominale: Zama à Rainbow 9 535, Rainbow à Utikuma 28 763, Utikuma à Edmonton 39 251.
- (8) Texaco Exploration Canada Ltd., capacité nominale: Rimby à Mameo 2 225, Mameo à Pigion Lake 7 469, Pigion Lake à Bonnie Glen 15 096, Bonnie Glen à Wizard Lake 24 154, Wizard Lake à Leduc 36 073, Leduc à Edmonton 36 867.
- (9) Trans Mountain Oil Pipe Line Company, capacité nominale, Edmonton à Edson 50 057, Edson à Kamloops 46 561, Kamloops à Sumas 59 591.
- (10) Westpur Pipe Line Company, capacité nominale, Midale à Steelman 13 348, Steelman à Alida 21 453, Alida à Cramer 28 604, Pinto à U.S. Border 1 986.
- (11) Trans-Northern Pipe Line Company, capacité nominale: Montréal à Farran's Point 10 647, Montréal à Dorval et Mirabel 8 263, Farran's Point à Ottawa 13 031, Nanticoke, Oakville, Clarkson and North Toronto à Farran's Point 6 039, Nanticoke à Hamilton 19 069, Nanticoke, Oakville, Clarkson à Port credit, Toronto Airport, North Toronto et Toronto harbour 12 077.

TABLE 6. Pumping Stations, Trunk Lines, by Company and Rated Horsepower,
as at December 31, 1978

No.		Rated horsepower - Puissance nominale en chevaux-vapeur					
		Under 200 - Moins de 200	200- 500	501- 1,000	1,001- 1,500	1,501- 2,000	2,001- 2,500
1	Alberta Oil Sands Pipeline Ltd.	-	1	-	-	-	2
2	Alberta Products Pipeline Limited	-	1	-	-	3	1
3	B.P. Canada Ltd.	2	1	-	-	-	-
4	Blueberry Taylor Pipelines	3	-	-	-	-	-
5	Bow River Pine Lines Limited	-	2	-	3	1	-
6	Cochin Pipelines Limited	-	-	-	-	11	-
7	Dome Kerrobert Pipelines Limited	-	-	1	-	-	-
8	Dome Petroleum Limited (Co-Ed Pipe Line Sec- tion)	1	1	-	-	-	-
9	Dome N.G.L. Ltd.	-	-	-	1	-	-
10	Federated Pipe Lines Ltd.	-	-	-	-	-	-
11	Gibson Petroleum Limited	-	-	1	1	-	-
12	Great Canadian Oil Sands Limited	-	-	1	-	-	1
13	Green River Exploration Co.	1	-	-	-	-	-
	Gulf Oil Canada Limited:						
14	Gulf Alberta Pipeline	-	-	3	-	-	-
15	Saskatchewan Pipeline Department	-	1	-	-	-	-
16	Saskatoon Pipeline Department	-	-	1	-	-	-
17	Valley Pipeline Department	3	-	-	-	-	-
	Home Oil Company Limited:						
18	Cremona Pipeline Division	1	2	-	-	-	-
	Hudson's Bay Oil and Gas Company Limited:						
19	Rangeland Pipe Line Division	1	-	1	1	-	-
20	Husky Pipeline Ltd.	-	-	1	1	-	2
21	Imperial Pipe Line Ltd.	-	5	2	-	-	-
	Imperial Oil Enterprises Limited:						
22	Quebec South Shore Pipe Line Division	-	1	-	-	-	-
23	Sarnia Products Pipe Line Division	-	-	-	-	-	3
24	Interprovincial Pipe Line Company	-	-	-	-	-	1
25	Montreal Pipe Line Company Limited	-	-	-	-	-	1
26	Murphy Oil Company Limited	3	1	2	-	-	-
27	Peace River Oil Pipe Line Co. Ltd.	-	3	1	2	-	2
28	Pembina Pipe Line Ltd.	2	1	-	1	-	-
29	Petroleum Transmission Company	-	5	1	-	-	-
30	Rainbow Pipe Line Company Ltd.	-	1	-	-	-	-
31	Rimbey Pipe Line Company Limited	-	1	1	1	-	-
32	South Saskatchewan Pipe Line Company	-	-	-	1	-	-
33	Sun-Canadian Pipe Line Company Ltd.	-	-	-	2	1	-
34	Texaco Exploration Canada Ltd. (Pipe Line Dept.)	-	2	2	3	-	-
35	Trans Mountain Oil Pipe Line Company	-	-	-	-	1	-
36	Trans-Northern Pipe Line Company	-	-	2	6	2	2
37	Wascana Pipe Line Ltd.	-	-	-	-	1	-
38	Westcoast Petroleum Limited - Pipe Line Di- vision	-	-	4	-	6	-
39	Westpur Pipe Line Company	-	-	-	-	1	-
40	Winnipeg Pipe Line Company Limited	-	-	-	1	-	-
41	Yukon Pipelines Limited	1	-	-	-	-	-
42	<u>Canada 1978</u>	18	29	24	24	27	15
43	<u>Canada 1977</u>	22	26	26	23	16	13

TABLEAU 6. Postes de pompage, conduites principales, par société et par puissance nominale en chevaux-vapeur, au 31 décembre 1978

Rated horsepower - Puissance nominale en chevaux-vapeur							Total stations	Horsepower 1978 Puissance en chevaux- vapeur	Horsepower 1977 Puissance en chevaux- vapeur	N°
2,501- 3,000	3,001- 4,000	4,001- 5,000	5,001- 6,000	6,001- 8,000	8,001- 10,000	Over 10,000 - Plus de 10,000				
-	1	-	-	-	-	-	4	8,600	..	1
-	-	-	-	-	-	-	5	8,760	8,500	2
-	-	-	-	-	-	-	3	250	290	3
-	-	-	-	-	-	-	3	260	200	4
-	-	-	-	-	-	-	6	6,635	6,735	5
-	-	-	-	-	-	-	11	22,000	..	6
-	-	-	-	-	-	-	1	800	800	7
-	-	-	-	-	-	-	2	750	1,150	8
-	1	-	-	-	-	-	2	4,700	3,200	9
-	1	-	-	2	1	-	4	27,100	27,100	10
-	-	-	-	-	-	-	2	1,825	1,825	11
-	-	-	-	-	-	-	2	2,900	2,900	12
-	-	-	-	-	-	-	1	180	180	13
1	-	-	-	-	-	-	4	5,650	5,700	14
-	-	-	-	-	-	-	1	450	375	15
-	-	-	-	-	-	-	1	600	600	16
-	-	-	-	-	-	-	3	200	330	17
-	-	-	-	-	-	-	3	780	780	18
2	1	1	1	-	-	-	8	21,300	21,300	19
-	-	-	-	-	-	-	4	7,125	7,125	20
-	-	-	1	-	-	-	8	13,045	13,045	21
-	-	-	-	-	-	-	1	500	500	22
2	-	-	-	-	-	-	5	12,600	12,600	23
-	3	-	-	2	3	23	32	546,590	544,590	24
-	-	-	-	-	-	1	2	15,000	15,000	25
-	-	-	-	-	-	-	6	2,120	3,485	26
1	1	-	1	-	-	-	11	20,600	20,600	27
-	-	-	1	-	-	-	5	7,190	7,190	28
-	-	-	-	-	-	-	6	2,650	2,650	29
-	-	2	3	-	-	-	6	27,300	27,300	30
-	-	-	-	-	-	-	3	2,715	2,200	31
1	1	-	-	-	-	-	3	7,785	7,785	32
-	1	1	1	-	-	-	6	17,850	17,850	33
-	-	1	1	-	-	-	8	9,825	9,825	34
1	-	1	6	2	4	1	16	105,950	108,950	35
-	2	-	-	-	-	-	14	23,700	20,300	36
-	-	-	-	-	-	-	1	1,800	1,800	37
2	-	-	-	-	-	-	12	21,400	21,400	38
-	1	1	-	-	-	-	3	8,930	11,530	39
1	-	-	-	-	-	-	2	3,900	3,900	40
-	-	-	-	-	-	-	1	132	132	41
11	13	7	14	6	8	25	221	972,447	-	42
12	10	7	15	5	8	25	208	-	941,722	43

TABLE 7. Number of Pumping Stations, Prime Movers and Pumps, Trunk Lines,
by Province, as at December 31, 1978TABLEAU 7. Nombre de postes de pompage, de moteurs primaires et de pompes, conduites principales,
par province, au 31 décembre 1978

Province	Pumping stations — Postes de pompage			Prime movers — Moteurs primaires		
	Station control — Contrôle du poste		Total	Fuel — À combustible	Electric — Électriques	Other — Autres
	Remote — À distance	Other — Autres				
	number — nombre					
Yukon	—	1	1	1	—	—
British Columbia — Colombie-Britannique	19	5	24	20	17	21
Alberta	64	46	110	12	331	15
Saskatchewan	32	3	35	37	107	—
Manitoba	11	—	11	—	62	—
Ontario	32	3	35	2	96	—
Québec	4	1	5	—	16	—
Canada	162	59	221	72	629	36
	Prime movers — Moteurs primaires		Horsepower — Puissance en chevaux- vapeur	Kilowatts	Pumps — Pompes	
	Total				Recipro- cating — Alternatives	Centri- fugal — Centrifuges	Total
	number — nombre				number — nombre	
Yukon	1	132	98	1	—	1
British Columbia — Colombie-Britannique	58	87,810	65 506	5	53	58
Alberta	358	323,330	241 204	115	243	358
Saskatchewan	144	265,405	197 992	36	108	144
Manitoba	62	138,670	103 448	—	62	62
Ontario	98	138,050	102 985	—	98	98
Québec	16	19,050	14 211	—	16	16
Canada	737	972,447	725 444	157	580	737

TABLE 8. Comparative Statement of Assets, Liabilities and Net Worth of Oil Pipe Line Transport Industry, as at December 31, 1978 and 1977

TABLEAU 8. État comparatif de l'actif, du passif et de la valeur nette de l'industrie du transport de pétrole par pipe-lines, au 31 décembre, 1978 et 1977

	1978			Total 1977
	Interprovincial companies - Compagnies interprovinciales	Intraprovincial companies - Compagnies intraprovinciales	Total	
	dollars			
<u>Assets - Actif</u>				
<u>Current assets - Disponibilités:</u>				
Cash on hand, in banks and temporary cash investments - En caisse - À la banque et placements temporaires:				
Canadian currency - Monnaie canadienne:				
Cash on hand and in chartered banks, including term depos- its - En caisse et dans les banques à charte, y compris dépôts à terme	26,021,256	8,346,298	34,367,554	42,417,377
Cash in other institutions, including guaranteed investment certificates - Dans d'autres institutions, y compris cer- tificats de placement garantis	25,051,121	-	25,051,121	15,272,093
Foreign currency and temporary foreign cash investments - Mon- naie étrangère et placements étrangers temporaires	71,139	-	71,139	425,870
Short-term notes of finance companies and other unaffiliated Canadian companies - Billets à court terme des sociétés de crédit et autres sociétés canadiennes non affiliées	7,647,161	-	7,647,161	3,770,860
Government of Canada treasury bills - Bons du Trésor du gou- vernement canadien	-	-	-	548,220
Other Government of Canada direct and guaranteed debt - Autre dette directe et garantie du gouvernement canadien	-	5,000	5,000	-
Provincial and municipal direct and guaranteed debt and Cana- dian corporate and institutional issue - Dette directe et garantie des gouvernements provinciaux et municipaux et émissions de sociétés et institutions canadiennes	-	-	-	-
Other short-term Canadian investments - Autres placements canadiens à court terme	-	600,051	600,051	325,000
Investments in foreign securities - Placements dans des fonds étrangers	-	-	-	-
<u>Special deposits - Dépôts spéciaux:</u>				
Canadian - Au Canada	8,109	4,103	12,212	26,095
Foreign - À l'étranger	425	-	425	425
Accounts receivable less provision for doubtful accounts - Com- ptes à recevoir moins réserve pour créances douteuses	52,959,147	50,155,114	103,114,261	125,054,554
Interest and dividends receivable - Intérêt et dividendes à recevoir	1,268,547	31,876	1,300,423	613,561
Materials, supplies and oil inventory - Matières, fournitures et allocation des inventaires de pétrole	5,366,407	6,417,234	11,783,641	37,447,815
Other current assets and prepaid expenses - Autres disponibilités et dépenses payées d'avance	1,376,407	31,509,722	32,886,129	29,140,178
<u>Current assets - Total - Disponibilités</u>	119,769,719	97,069,398	216,839,117	255,042,048
<u>Investments - Placements:</u>				
Investments in affiliated companies - Placements dans des socié- tés affiliées	23,915,821	5,190,494	29,106,315	29,569,445
Other investments - Autres placements:				
Mortgages, long-term advances and notes - Hypothèques, avances et billets à long terme	-	166,180	166,180	1,824,114
Other Canadian investments - Autres placements canadiens	206,084	505	206,589	845,133
Investments in Canadian preferred and common stocks - Place- ments en actions privilégiées et ordinaires canadiennes	3,055,269	79,507	3,134,776	3,381,223
Investments in foreign securities - Placements en valeurs étrangères	-	-	-	-
Sinking funds - Fonds d'équipement et autres fonds de réserve ..	-	-	-	-
Miscellaneous special funds - Autres fonds spéciaux	12,064	-	12,064	1,079,479
<u>Investments - Total - Placements</u>	27,189,238	5,436,686	32,625,924	36,699,394
<u>Fixed assets - Immobilisations:</u>				
Transportation plant - Installations de transport	1,013,472,998	598,884,289	1,612,357,287	1,557,985,734
Other plant, property and equipment (non-transportation) - Autres installations, terrains et matériel	57,463,456	119,340,689	176,804,145	243,112,628
Less accumulated depreciation and amortization - Moins dépréciation et amortissement	377,681,236	265,676,451	643,357,687	621,908,802
Operating oil supply - Opération des fournitures de pétrole	520,432	8,134,160	8,654,592	8,640,979
<u>Net fixed assets - Immobilisations nettes</u>	693,775,650	460,682,687	1,154,458,337	1,187,830,539
Deferred debits - Débits différés	8,674,301	1,649,033	10,323,334	12,654,044
<u>Total assets - Actif total</u>	849,408,908	564,837,804	1,414,246,712	1,492,226,025

TABLE 8. Comparative Statement of Assets, Liabilities and Net Worth of Oil Pipe Line Transport Industry, as at December 31, 1978 and 1977 - Concluded

TABLEAU 8. État comparatif de l'actif, du passif et de la valeur nette de l'industrie du transport de pétrole par pipe-lines, au 31 décembre 1978 et 1977 - fin

	1978			Total 1977
	Interprovincial companies - Compagnies interprovinciales	Intraprovincial companies - Compagnies intraprovinciales	Total	
	dollars			
<u>Liabilities and net worth - Obligations et valeur nette</u>				
Current liabilities - Obligations courantes:				
Short-term loans - Prêts à court terme:				
Loans from chartered banks in Canadian currency - Prêts des banques à charte en monnaie canadienne	1,969,933	11,388,619	13,358,552	26,318,946
Other loans payable - Autres prêts remboursables	-	-	-	12,276
Accounts payable and accrued including joint revenue payable - Comptes à payer et courus incluant le revenu commun à payer ...	23,946,415	33,750,572	57,696,987	71,278,119
Interest and dividends payable and accrued - Intérêt et dividendes remboursables et accumulés	10,347,160	1,590,796	11,937,956	11,550,960
Taxes accrued - Impôts accumulés	2,916,453	5,137,397	8,053,850	25,916,163
Long-term debt due within one year less company long-term debt owned - Dette à long terme exigible à un an ou moins, déductions faites de la partie de la dette à long terme rachetée par la société:				
Bonds, debentures and notes - Obligations, débentures et billets	16,251,000	10,801,100	27,052,100	23,587,300
Other long-term debt - Autres dettes à long terme	-	734,000	734,000	6,635,000
Other current liabilities - Autres obligations courantes	202,363	273,512	475,875	1,096,208
<u>Current liabilities - Total - Obligations courantes</u>	<u>55,633,324</u>	<u>63,675,996</u>	<u>119,309,320</u>	<u>166,394,972</u>
Deferred credits - Crédits différés	1,875,554	12,500	1,888,054	6,112,304
Accumulated tax reductions applicable to future years - Réductions de taxes accumulées et imputables aux prochaines années	70,410,162	49,899,139	120,309,301	120,347,921
Insurance reserves - Réserves pour assurance	2,851	-	2,851	-
Long-term debt - Dette à long terme:				
Bonds, debentures and notes - Bons, obligations et billets	334,460,000	124,377,156	458,837,156	471,952,812
Mortgages and agreements of sale - Hypothèques et accords de ventes	-	1,792,000	1,792,000	2,792,000
Loans from chartered banks in Canadian currency including secured loans - Emprunts de banques à charte en monnaie canadienne y compris les prêts garantis	15,300,000	19,781,000	35,081,000	71,715,000
Other long-term debt - Autre dette à long terme	-	491,000	491,000	-
Less company long-term debt owned - Moins dette nette à long terme détenue par la compagnie	50,000	-	50,000	-
<u>Net total long-term debt - Total net de la dette à long terme</u>	<u>349,710,000</u>	<u>146,441,156</u>	<u>496,151,156</u>	<u>546,459,812</u>
Advances from affiliated companies - Montants payables aux compagnies affiliées	138,832,630	72,366,211	211,198,841	150,884,219
Shareholders' equity - Avoir des actionnaires:				
Capital stock - Valeur nette:				
Preferred - Actions privilégiées	-	17,060,000	17,060,000	18,060,000
Common - Actions ordinaires	48,363,527	61,204,678	109,568,205	112,705,392
Contributed surplus - Excédent payé	22,301,919	3,450,480	25,752,399	41,742,323
Retained earnings - Gains conservés	162,278,941	150,727,644	313,006,585	329,519,082
<u>Liabilities and net worth - Total - Du passif et de la valeur nette</u>	<u>849,408,908</u>	<u>564,837,804</u>	<u>1,414,246,712</u>	<u>1,492,226,025</u>

TABLE 9. Income Account of Oil Pipe Line Transport Industry, as at December 31, 1978 and 1977

TABLEAU 9. Compte de revenus de l'industrie du transport de pétrole par pipe-lines, au 31 décembre 1978 et 1977

	1978			Total 1977
	Interprovincial companies — Compagnies interprovinciales	Intraprovincial companies — Compagnies intraprovinciales	Total	
	dollars			
Transportation revenue - Revenu du transport:				
From gathering operations - Exploitation des conduites secondaires	348,578	50,096,778	50,445,356	45,803,043
From trunk line operations(1) - Exploitation des conduites principales(1)	180,139,264	112,585,507	292,724,771	274,433,478
Other operating revenue - Autres revenus d'exploitation	9,179,272	11,494,474	20,673,746	15,559,988
Operating revenue - Total - Des revenus d'exploitation	189,667,114	174,176,759	363,843,873	335,796,509
Maintenance expenses, trunk and gathering - Dépenses d'entretien, conduites principales et secondaires:				
Salaries and wages - Traitements et salaires	5,480,028	3,947,075	9,427,103	8,631,291
Materials and supplies - Matériaux et fournitures	1,953,874	2,575,530	4,529,404	4,351,956
Outside services - Services de l'extérieur	3,147,463	3,632,903	6,780,366	6,553,484
Other expenses - Autres frais	924,885	1,534,263	2,459,148	2,395,086
Maintenance expenses - Total - Des dépenses d'entretien	11,506,250	11,689,771	23,196,021	21,931,817
Transportation expenses, trunk and gathering - Dépenses de transport, conduites principales et secondaires:				
Salaries and wages - Traitements et salaires	7,656,273	7,376,402	15,032,675	13,490,548
Operating fuel and power - Combustible et électricité d'exploitation	22,735,043	11,518,272	34,253,315	31,046,420
Materials and supplies - Matériaux et fournitures	514,436	641,099	1,155,535	1,083,819
Outside services - Services de l'extérieur	1,002,211	837,396	1,839,607	1,958,678
Other expenses - Autres frais	2,723,111	6,503,795	9,226,906	5,887,430
Transportation expenses - Total - Des dépenses de transport ..	34,631,074	26,876,964	61,508,038	53,466,895
General expenses, trunk and gathering - Dépenses générales, conduites principales et secondaires:				
Salaries and wages - Traitements et salaires	5,893,563	3,478,451	9,372,014	7,366,703
Materials and supplies - Matériaux et fournitures	953,635	103,391	1,057,026	952,619
Outside services - Services de l'extérieur	1,289,220	945,350	2,234,570	2,722,307
Other expenses - Autres dépenses	11,207,410	9,652,286	20,859,696	17,667,009
Taxes other than income taxes - Impôts autres que l'impôt sur le revenu	11,911,825	6,253,889	18,165,714	17,368,991
General expenses - Total - Des dépenses générales	31,255,653	20,433,367	51,689,020	46,077,629
Other operating expenses - Autres dépenses d'exploitation	—	—	—	—
Operating expenses - Total - Des dépenses d'exploitation	77,392,977	59,000,102	136,393,079	121,476,341
Net revenue from operations - Revenu net provenant de l'exploitation	112,274,137	115,176,657	227,450,794	214,320,168
Interest and dividend income - Revenu de l'intérêt et des dividendes	29,464,620	140,252	29,604,872	27,582,117
Other income - Autres revenus	25,528,290	4,644,050	30,172,340	44,662,632
Total	167,267,047	119,960,959	287,228,006	286,564,917
Depreciation - Dépréciation	34,696,172	24,914,297	59,610,469	57,390,806
Interest on long-term debt - Intérêt de la dette à long terme	34,739,068	11,005,618	45,744,686	45,605,660
Amortization of discount on long-term debt - Amortissement de l'escompte sur la dette à long terme	396,795	55,448	452,243	479,421
Other deductions - Autres déductions	7,697,803	5,687,934	13,385,737	11,329,860
Total	77,529,838	41,663,297	119,193,135	114,805,747
Net income before income taxes - Revenu net avant l'impôt sur le revenu	89,737,209	78,297,662	168,034,871	171,759,170
Provision for income taxes - Réserves pour l'impôt sur le revenu	32,326,389	33,984,623	66,311,012	66,957,346
Net income after income taxes - Revenu net après l'impôt sur le revenu	57,410,820	44,313,039	101,723,859	104,801,824

(1) Includes revenue from gathering operations not separable in company accounts. - Comprend un certain revenu de conduites secondaires inséparable dans les comptes de la compagnie.

TABLE 10. Property Account of Oil Pipe Line Transport Industry, as at December 31, 1978
TABLEAU 10. Compte de propriété de l'industrie du transport de pétrole par pipe-lines, au 31 décembre 1978

	Total at December 31, 1977	Gross additions during 1978	Retire- ments during 1978	Other changes during 1978	Total at December 31, 1977	Total inter- provincial companies	Total intra- provincial companies
	Total, au 31 décembre 1977	Additions brutes en 1978	Réformes en 1978	Autres variations en 1978	Total, au 31 décembre 1977	Total des compagnies inter- provinciales	Total des compagnies intra- provinciales
Land and land rights - Terrains et droits de passage	34,238,328	1,129,557	338	- 2,449,241	32,918,306	18,055,126	14,863,180
Pipe line	1,051,526,522	36,472,353	442,207	- 13,772,027	1,073,784,641	667,957,927	405,826,714
Building - Edifices	34,607,466	1,663,462	50,855	- 3,182,290	33,037,783	19,562,588	13,475,195
Pumping equipment - Équipement de pompage	80,440,777	3,669,113	868,941	- 6,133,700	77,107,249	35,794,757	41,312,492
Oil tanks - Réservoirs de pétrole	50,435,648	1,770,024	137,625	- 271,462	51,796,585	34,020,973	17,775,612
Receiving and delivery facilities - Installations de réception et de livraison	15,694,654	1,175,530	43,259	- 489,614	16,337,311	6,961,595	9,375,716
Joint plant - Installation exploitée conjointement ..	59,084	5,762	-	-	64,846	64,846	-
Interest and overhead during construction - Intérêt couru et frais généraux durant la construction ...	9,186,594	16,995,615	2,566	3,269,330	29,448,973	14,450,888	14,998,085
Other plant and equipment - Autres installations et matériel	201,200,486	83,054,450	1,695,394	- 7,875,641	274,683,901	199,243,020	75,440,881
Transportation plant leased to others - Installations de transport louées à d'autres	3,279,689	49,617	-	-	3,329,306	429,252	2,900,054
Transportation plant under construction - Installa- tions de transport en construction	77,316,486	52,827,623	2,763,536	- 107,532,187	19,848,386	16,932,026	2,916,360
Fixed assets (transportation) - Total - Immobili- sations (transport)	1,557,985,734	198,813,106	6,004,721	- 138,436,832	1,612,357,287	1,013,472,998	598,884,289

TABLE 11. Funds Flow Statement of Oil Pipe Line Transport Industry, for Years Ending December 31, 1978 and 1977

TABLEAU 11. État de la circulation des fonds dans l'industrie du transport de pétrole par pipe-lines,
pour les années se terminant le 31 décembre 1978 and 1977

	1978			1977		
	Inter- provincial companies - Compagnies inter- provinciales	Intra- provincial companies - Compagnies intra- provinciales	Total	Inter- provincial companies - Compagnies inter- provinciales	Intra- provincial companies - Compagnies intra- provinciales	Total
	millions of dollars - millions de dollars					
<u>Source of funds - Source des fonds</u>						
Revenues - Revenus:						
Revenue from operations - Revenu de l'exploitation	189.7	174.1	363.8	173.0	162.8	335.8
Interest and dividend income - Revenu de l'intérêt et des dividendes ..	29.5	.1	29.6	25.3	2.2	27.5
Other - Autres	25.5	4.6	30.1	33.6	11.1	44.7
<u>Total</u>	244.7	178.8	423.5	231.9	176.1	408.0
Decreased working capital - Diminution du capital d'exploitation	-	5.7	5.7	-	-	-
Decreased investments in affiliated companies - Diminution des investis- sements dans les compagnies affiliées	0.7	-	0.7	2.6	2.5	5.1
Decreased investments and reserves - Diminution des investissements et des réserves	0.7	-	0.7	-	-	-
Increased deferred credits and reserves - Augmentation des crédits dif- férés et des réserves	1.3	-	1.3	2.9	3.1	6.0
Increased long-term debt - Augmentation de la dette à long terme	-	1.2	1.2	1.6	31.2	32.8
Increased amounts payable to affiliated companies - Augmentation des mon- tants dus aux sociétés affiliées	61.0	-	61.0	44.9	-	44.9
Increased capital stock and surplus - Augmentation du capital-actions du surplus	-	-	-	-	11.0	11.0
<u>Total</u>	308.4	185.7	494.1	283.9	223.9	507.8
<u>Application of funds - Emploi des fonds</u>						
Expenditures for - Dépenses pour:						
Operating expenses - Dépenses d'exploitation	77.4	59.0	136.4	70.5	51.0	121.5
Interest on long-term debt - Intérêt sur la dette à long terme	34.7	11.0	45.7	35.8	9.8	45.6
Taxes - Impôts sur le revenu	32.3	34.0	66.3	32.9	34.1	67.0
Dividends - Dividendes	58.9	27.6	86.5	44.1	33.7	77.8
Other - Autres	35.1	15.8	50.9	3.6	18.1	21.7
<u>Total</u>	238.4	147.4	385.8	186.9	146.7	333.6
Increased working capital - Augmentation du capital d'exploitation	17.9	-	17.9	22.6	2.5	25.1
Increased investments in affiliated companies - Augmentation des inves- tisements dans les compagnies affiliées	-	0.2	0.2	-	-	-
Acquisition of fixed assets - Acquisition de capital immobilisé	29.1	25.3	54.4	74.2	66.1	140.3
Increased other investments and reserves - Augmentation des investisse- ments et des réserves	-	6.3	6.3	0.2	1.2	1.4
Decreased deferred credits and reserves - Diminution des crédits différés et des réserves	-	5.6	5.6	-	-	-
Decreased amounts payable to affiliated companies - Diminution des mon- tants dus aux sociétés affiliées	-	0.7	0.7	-	7.4	7.4
Decreased long-term debt - Diminution de la dette à long terme	21.5	-	21.5	-	-	-
Decreased capital stock and surplus - Diminution du capital-actions et du surplus	1.5	0.2	1.7	-	-	-
<u>Total</u>	308.4	185.7	494.1	283.9	223.9	507.8

TABLE 12. Payroll, Employment and Man-hours, in Oil Pipe Line Transport Industry, Canada, 1978

TABLEAU 12. Effectifs, rémunérations et heures-hommes, dans l'industrie du transport de pétrole par pipe-lines, au Canada, 1978

Canada	Average number of employees — Nombre moyen d'employés			Salaries and wages — Traitements et salaires	
	Male — Hommes	Female — Femmes	Total		
				dollars	
Management — Direction:					
Working owners and partners — Propriétaires et associés actifs	—	—	—		
Management — Directeurs	72	—	72		
<u>Total</u>	72	—	72	3,094,679	
Professional, technical and administrative — Personnel de pro- fession libérale, techniciens et administrateurs:					
Geophysicists — Géophysiciens	—	—	—		
Geologists — Géologues	—	—	—		
Petroleum engineers — Ingénieurs (pétroles)	9	—	9		
Other engineers — Autres ingénieurs	46	—	46		
Other professional personnel — Autres membres du personnel de profession libérale	22	—	22		
<u>Sub-total — Total partiel</u>	77	—	77	1,963,037	
Specialists and technicians — Spécialistes et techniciens	172	9	181		
Clerical and secretarial — Employés de bureau et de secrétariat	81	136	217		
Other administrative personnel — Autres membres du personnel administratif	186	1	187		
<u>Total</u>	516	146	662	13,310,319	
Production, field, plant and related operations — Production, champ, usine et opérations connexes:					
Field, plant and related employees — Ouvriers aux champs, à l'usine et travailleurs assimilés	660	1	661	13,128,187	
<u>Employment, salaries and wages — Total — Effectifs, traitements et salaires</u>	1,248	147	1,395	29,533,185	
	Jan. 1- Mar. 31	Apr. 1- June 30	July 1- Sept. 30	Oct. 1- Dec. 31	Jan. 1- Dec. 31
	1 ^{er} janv.- 31 mars	1 ^{er} avril- 30 juin	1 ^{er} juill.- 30 sept.	1 ^{er} oct.- 31 déc.	1 ^{er} janv.- 31 déc.
Production workers, man-hour statistics — Quarterly and annual — Employés à la production, statistique des heures-hommes — Tri- mestrielle et annuelle:					
Man-hours worked and paid — Heures-hommes travaillées et payées	314,413	328,272	318,808	317,282	1,278,775
Man-hours not worked but paid — Heures-hommes non travaillées mais payées	16,618	20,071	38,329	21,227	96,245
<u>Total</u>	331,031	348,343	357,137	338,509	1,375,020

GLOSSARY OF TERMSGLOSSAIRE DES TERMESBarrel Miles

One barrel of oil moved one mile; ton miles are calculated by converting barrel miles of oil to the equivalent weight in short tons. Trunk line system barrel miles only are included because of the difficulty of collecting reliable and consistent data for gathering systems, together with the fact that gathering systems have a very short average commodity mile movement, and as a result their inclusion would add only a very small percentage to the total.

Crude Oil and Equivalent

Includes the following liquid hydrocarbons:

Crude oil - A naturally occurring liquid hydrocarbon.

Condensate - A naturally occurring hydrocarbon which is gaseous in its virgin reservoir state, but is liquid at the conditions under which its volume is measured.

Pentanes plus - A liquid hydrocarbon produced from raw natural gas, condensate or crude oil.

Deliveries

Volumes of oil measured at delivery point.

Deliveries to Other Carriers United States

Canadian oil held in bond in United States for re-entry into Canada.

Gross Receipts and Deliveries

The receipts or deliveries of all pipe line companies in Canada including intercompany transfers.

Inventory Changes

Changes of oil held by the pipe lines in their system either in the lines or in the tanks, including changes of Canadian oil held by systems in the United States.

Liquefied Petroleum Gases

Naturally occurring gaseous hydrocarbons which liquefy only under conditions of increased pressure and/or decreased tempera-

Mille-baril

Un baril de pétrole transporté pour une distance d'un mille; on calcule les milles-tonnes en changeant les milles-barils de pétrole au poids équivalent en tonnes courtes. Seul les milles-barils des tronçons principaux sont inclus en raison de la difficulté de recueillir des données uniformes sur les réseaux de collecte, et aussi à cause de leurs très courtes moyennes de transport en milles; leur inclusion n'ajouterait qu'un très petit pourcentage au total.

Pétrole brut et hydrocarbures équivalents

Comprend les hydrocarbures liquides suivants:

Pétrole brut - Hydrocarbure liquide dans son état naturel.

Condensat - Hydrocarbure gazeux à l'état vierge dans le gisement, mais liquide dans les conditions où l'on en mesure le volume.

Pentanes plus - Hydrocarbure liquide tiré du gaz naturel brut, du condensat ou du pétrole brut.

Livraisons

Volumes de pétrole mesurés à l'endroit de livraison.

Livraisons à d'autres transporteurs, États-Unis

Pétrole canadien en admission temporaire aux États-Unis, à destination du Canada.

Arrivages et livraisons bruts

Les arrivages ou les livraisons de toutes les compagnies d'oléoducs au Canada, y inclus les transferts entre compagnies.

Variations de stocks

Variations de pétrole, soit dans les tronçons ou dans les réservoirs d'entreposage, y compris les variations de pétrole canadien gardé dans les réseaux aux États-Unis.

Gaz de pétrole liquéfiés

Hydrocarbures gazeux qui se liquéfient seulement dans des conditions de pression accrue et/ou de température réduite. Les principaux sont les

GLOSSARY OF TERMS - ContinuedGLOSSAIRE DES TERMES - suite

ture. The main components are propane and butanes produced at natural gas processing plants.

gaz propane et butanes; ils sont produits aux usines de traitement de gaz naturel.

Net Deliveries

The unduplicated deliveries of all pipe line companies in Canada.

Livraisons nettes

Les livraisons non répétées de toutes les compagnies d'oléoducs au Canada.

Net Receipts

The unduplicated receipts of all pipe line companies in Canada.

Arrivages nets

Les arrivages non répétées de toutes les compagnies d'oléoducs au Canada.

Line Losses and Unaccounted For

A residual item which includes oil lost due to pipe line handling and other losses which cannot be accounted for due to errors in gauging, etc.

Fuites et autres pertes

Un restant qui inclut le pétrole perdu dans les transferts entre oléoducs, les autres pertes inexplicables ou inexplicables par suite d'erreurs de mesurage, etc.

Pipe Line Systems

Various types of pipe lines and ancillary facilities such as pumping stations, gathering and/or trunk lines, parallel lines, loops, etc.

Réseaux d'oléoducs

Divers types d'oléoducs et d'installations accessoires tels que les stations de pompage, les tronçons collecteurs ou principaux, les lignes parallèles, les boucles, etc.

Receipts

Oil received by the pipe line company as gauged or metered. Receipts may be of several categories; receipts from fields which may be from batteries or well-heads; from processing plants (plants which process natural gas and recover liquid hydrocarbons); imports metered at the border; receipts from refineries.

Arrivages

Pétrole reçu par la compagnie. Les arrivages se divisent en plusieurs catégories; arrivage provenant des batteries ou des gueules de puits; des usines de traitement (usines qui traitent le gaz naturel pour en tirer les hydrocarbures liquides); des importations mesurées aux frontières; des raffineries.

Refined Petroleum Products

Products resulting from the processing of crude oil and related hydrocarbons in a refining operation, and including liquefied refinery gases.

Produits pétroliers raffinés

Produits résultant du raffinage du pétrole brut et d'hydrocarbures équivalents, y inclus les gaz de raffinerie liquéfiés.

System Miles

The number of miles over which a pipe line system operates regardless of the number of pipe lines in the system. For example, Interprovincial Pipe Line Company operates a pipe line system from Edmonton to Regina, a distance of 438 system miles, but there are two pipe lines in this system for an aggregate 876 pipe line miles.

Milles de réseau

Le nombre de milles le long desquels un réseau fonctionne, quel que soit le nombre d'oléoducs dans le réseau. Par exemple, l'Interprovincial Pipe Line Company exploite un réseau d'Edmonton à Regina, soit une distance de 438 milles de réseau, mais il y a deux oléoducs dans ce réseau pour un total de 876 milles d'oléoducs.

Transfers

Movements of petroleum between two different pipe line companies.

Transferts

Mouvements de pétrole entre deux différentes compagnies d'oléoducs.

GLOSSARY OF TERMS - ConcludedGLOSSAIRE DES TERMES - finTransportation Sectors

- (a) Gathering lines: Usually a small diameter pipe operating within oil fields and carrying the oil from the battery to a common collection point, or points.
- (b) Trunk lines: Pipe lines generally of larger diameter running from the common collection point or points, to refineries, to other pipe line systems, or to termination points such as bulk plants, truck and rail loading facilities, etc. Includes parallel and looped lines.

Definitions of the financial accounts may be found in "Oil Pipe Line Uniform Accounting Regulations", published by the National Energy Board.

Secteurs de transport

- a) Tronçons collecteurs ou conduites secondaires: Habituellement un tuyau de moindre diamètre qui sert à apporter les hydrocarbures d'une batterie ou d'un terrain pétrolifère à un ou plusieurs points communs de collecte.
- b) Tronçons principaux ou conduites principales: Oléoducs généralement d'un plus grand diamètre allant du ou des points communs de collecte aux raffineries, à d'autres réseaux ou à d'autres destinations telles que les réservoirs de stockage, ou des installations pour le chargement des camions, des trains, etc.

Les termes de comptabilité sont définis dans les "Règlements de normalisation de la comptabilité des oléoducs" publiés par l'Office national de l'énergie.

During the summer of 1960, the author was assigned to the position of Assistant Director of the National Bureau of Standards, where he was responsible for the administration of the Bureau's activities in the field of standards and measurements.

During the summer of 1960, the author was assigned to the position of Assistant Director of the National Bureau of Standards, where he was responsible for the administration of the Bureau's activities in the field of standards and measurements.

During the summer of 1960, the author was assigned to the position of Assistant Director of the National Bureau of Standards, where he was responsible for the administration of the Bureau's activities in the field of standards and measurements.

References

1. Bureau of Standards, "The National Bureau of Standards," Washington, D.C., 1960.

Appendix

The following is a list of the references cited in the text of this report.

References

1. Bureau of Standards, "The National Bureau of Standards," Washington, D.C., 1960.

Appendix

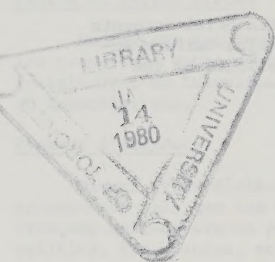
The following is a list of the references cited in the text of this report.

References

1. Bureau of Standards, "The National Bureau of Standards," Washington, D.C., 1960.

During the summer of 1960, the author was assigned to the position of Assistant Director of the National Bureau of Standards, where he was responsible for the administration of the Bureau's activities in the field of standards and measurements.

During the summer of 1960, the author was assigned to the position of Assistant Director of the National Bureau of Standards, where he was responsible for the administration of the Bureau's activities in the field of standards and measurements.



Appendix

The following is a list of the references cited in the text of this report.

References

1. Bureau of Standards, "The National Bureau of Standards," Washington, D.C., 1960.

Appendix

The following is a list of the references cited in the text of this report.

References

1. Bureau of Standards, "The National Bureau of Standards," Washington, D.C., 1960.

